Fastening Systems

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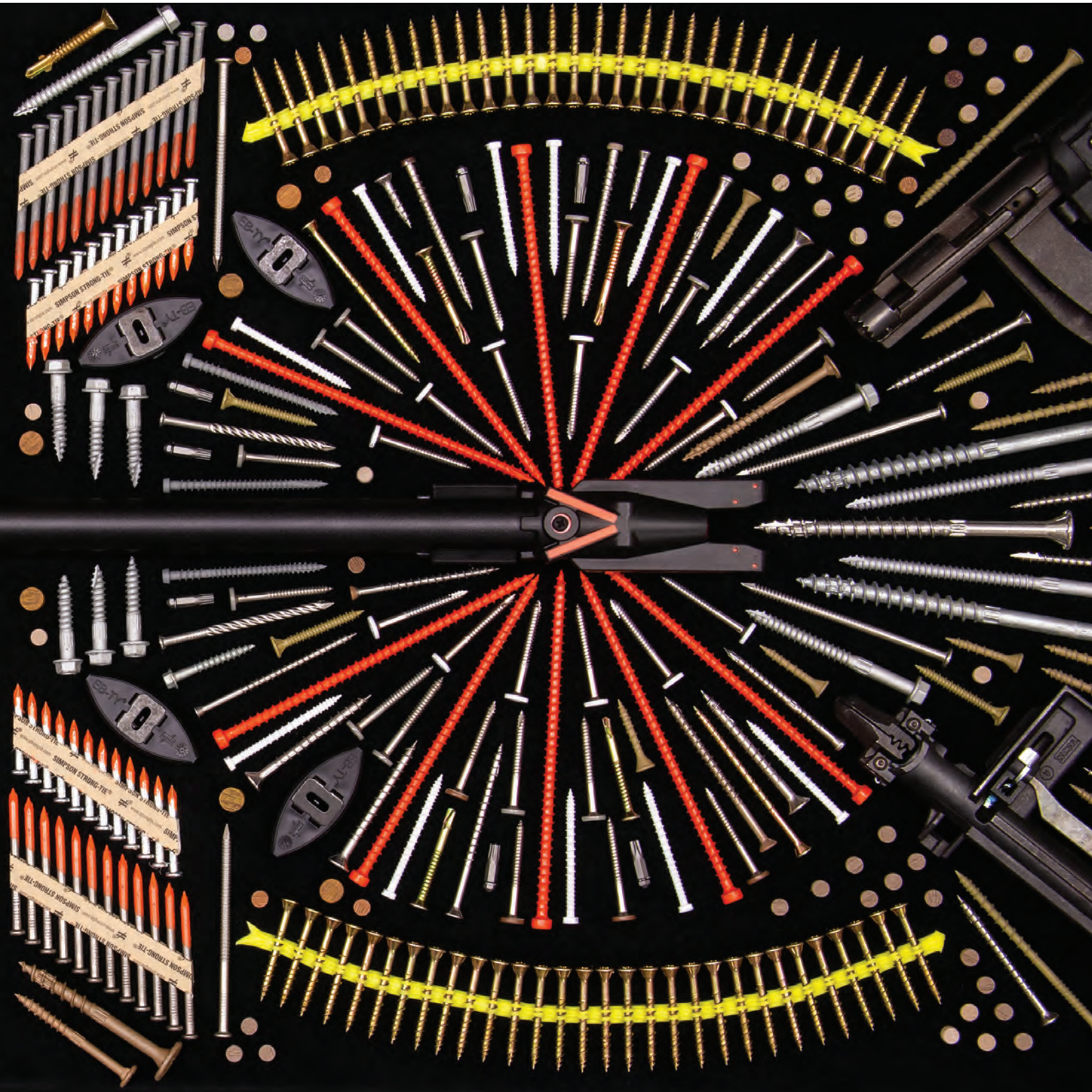
SIMPSON Strong-Tie®



The No-Equal Standard

High-performance products aren't the only reason we're the best in the business.

SIMPSON Strong-Tie®

At Simpson Strong-Tie, we’ve built a legacy of unrivaled engineering support, highly specialized training and widespread product availability. Our passion for innovation and dedication to customer service ensure that you’re equipped with the solutions and technical knowledge you need to succeed. No matter what you’re building, we help you build it better.

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Built to best
nature's worst.
Strong-Drive® SDWS TIMBER SS Screw

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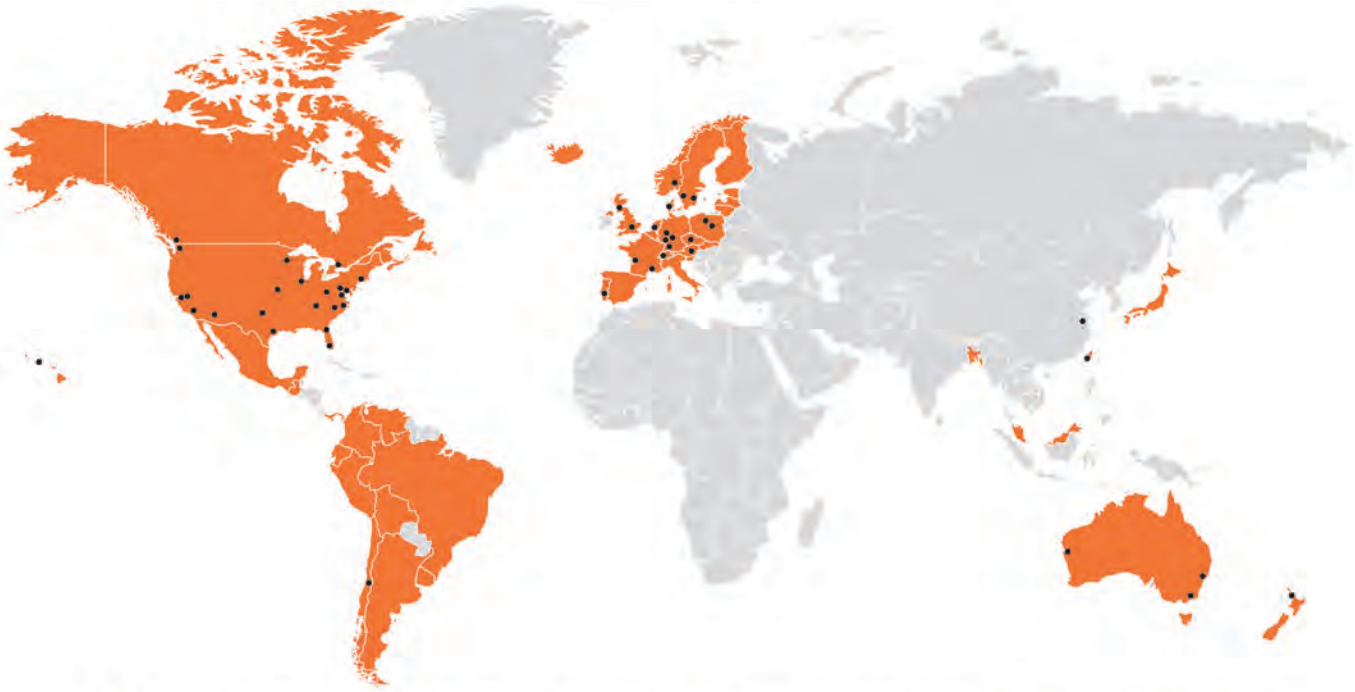
Company Information

For more than 60 years, Simpson Strong-Tie® has focused on creating structural products that help people design and build safer, stronger structures. A leader in structural systems research and technology, Simpson Strong-Tie is one of the largest suppliers of structural building products in the world. Our commitment to product development, engineering, testing and training is evident in the consistent quality and delivery of our products and services.

For more information, visit the company's website at **strongtie.com**.



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■ Distribution in Australia, Canada, Chile, Western Europe, part of Eastern Europe, Middle East, Japan, Korea, Egypt, Taiwan and other Asian countries, Mexico, New Zealand, UK and USA

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The Simpson Strong-Tie Company Inc. "No Equal" Pledge Includes:

- Quality products value-engineered for the lowest installed cost at the highest-rated performance levels
- Most thoroughly tested and evaluated products in the industry
- Strategically located manufacturing and warehouse facilities
- National code agency listings
- Largest number of patented connectors in the industry
- European locations with an international sales team
- In-house R & D and Tool & Die professionals
- In-house product testing and quality control engineers

Support for industry groups, including: **AISI, APA, ASTM, ASCE, AWC, AWPA, ACI, AISC, CSI, CFSEI, ICFA, NBMDA, NLBMDA, SBCA, SDI, SETMA, SFA, SFIA, STAFDA, SREA, NFBA, TPI, WDSC, WIJMA, WTCA** and local engineering groups.

The Simpson Strong-Tie Quality Policy

We help people build safer structures economically. We do this by designing, engineering and manufacturing "No Equal" structural connectors and other related products that meet or exceed our customers' needs and expectations. Everyone is responsible for product quality and is committed to ensuring the effectiveness of the Quality Management System.

Karen Colonias
President,
Chief Executive Officer

Getting Fast Technical Support

When calling for engineering technical support, having the following information at hand will help us to serve you promptly and efficiently.

- Which Simpson Strong-Tie catalog are you using? (See the front cover for the catalog number.)
- Which Simpson Strong-Tie product are you using?
- What is the type and thickness of the materials you are fastening?
- What is your load requirement?
- If using a Quik Drive attachment:

  What attachment are you using?

  What is the RPM range of your screwdriver motor or model number?

We Are ISO 9001-2008 Registered

Simpson Strong-Tie is an ISO 9001-2008 registered company. ISO 9001-2008 is an internationally recognized quality assurance system which lets our domestic and international customers know that they can count on the consistent quality of our products and services.

ISO 14001

Our French (St. Gemme la Plaine) and UK facilities are ISO 14001 certified. This standard states the requirements for an environmental management system, and applies to the environmental aspects over which our company has control and can be expected to have an influence.

OHSAS 18001

Our Tamworth, UK facility is OHSAS 18001 certified. This certification reflects an internationally applied British Standard for occupational health and safety management systems.

To learn more about these certifications and organizations, please visit ISO.org, ICCSafe.org and bsigroup.com.

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Important Information — Warnings and Warranties

Warning

Simpson Strong-Tie® fasteners and fastening products are designed and tested for certain applications and environments. To obtain optimal performance from Simpson Strong-Tie products, the products must be properly installed and used in accordance with the installation instructions and design limits provided by Simpson Strong-Tie Company Inc.

To ensure proper installation and use, designers and installers must carefully read the following General Notes, catalog pages for specific product installation instructions and notes.

Proper product installation requires careful attention to all notes and instructions. Installers, designers, engineers and consumers should consult the Simpson Strong-Tie Company Inc. website at **strongtie.com** to obtain additional design and installation information, including:

- Information on workshops Simpson Strong-Tie conducts at various training centers throughout the country
- Code Reports
- Technical fliers and bulletins
- Corrosion information
- Answers to frequently asked questions and technical topics

Failure to follow fully all of the notes and instructions provided by Simpson Strong-Tie Company Inc. may result in improper installation of products. Improperly installed products may not perform to the specifications set forth in this catalog.

Simpson Strong-Tie Company Inc. does not guarantee the performance or safety of products that are modified, improperly installed or not used in accordance with the design and load limits set forth in this catalog.

Terms and Conditions of Sale

Product Use

Products in this catalog are designed and manufactured for the specific purposes shown, and should not be used for any other purposes unless approved by a qualified Designer. Modifications to products or changes in installation procedures should only be made by a qualified Designer. The performance of such modified products or altered installation procedures is the sole responsibility of the Designer.

Indemnity

Customer or Designers modifying products or installation procedures, or designing non-catalog products for fabrication by Simpson Strong-Tie Company Inc. shall, regardless of specific instructions to the user, indemnify, defend, and hold harmless Simpson Strong-Tie Company Inc. for any and all claimed loss or damage occasioned in whole or in part by non-catalog or modified products.

Non-Catalog and Modified Products

Consult Simpson Strong-Tie Company Inc. for applications for which there is no catalog product or for fasteners for use in applications not specifically listed for the product.

Non-catalog products must be designed by the customer and will be supplied by Simpson Strong-Tie Company Inc. in accordance with customer specifications.

Simpson Strong-Tie Company Inc. cannot and does not make any representations regarding the suitability of use or load-carrying capacities of non-catalog products. Simpson Strong-Tie Company Inc. provides no warranty, express or implied, on non-catalog products. F.O.B. shipping point unless otherwise specified.

Limited Warranty

This Limited Warranty must be read in conjunction with the General Notes, Corrosion Information, and Terms and Conditions of Sale.

Simpson Strong-Tie Company, Inc. (“Simpson”) warrants catalog products to be free from defects in material or manufacturing. Simpson products are further warranted for adequacy of design when used in accordance with design limits in this catalog, and properly specified and installed. This warranty does not apply to products used not in compliance with specific applications and installation procedures set forth in this catalog, or to non-catalog or modified products, or to deterioration due to environmental conditions.

Simpson products are designed to the load capacities and uses listed in this catalog. Properly installed Simpson products will perform in accordance with the specifications set forth in the applicable Simpson Strong-Tie® catalog. Additional performance limitations for specific products may be listed on the applicable catalog pages.

(continued on next page)

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Limited Warranty (cont.)

Due to the particular characteristics of potential impact events, the specific design and location of the structure, the building materials used, the quality of construction, and the condition of the soils involved, damage may nonetheless result to a structure and its contents even if the loads resulting from the impact event do not exceed Simpson Strong-Tie catalog specifications and Simpson Strong-Tie® products are properly installed in accordance with applicable building codes. All warranty obligations of Simpson shall be limited, at the discretion of Simpson to repair or replacement of the defective part(s). These remedies shall constitute Simpson's sole obligation and sole remedy of purchaser under this warranty. This warranty may change periodically — consult this website for current information.

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General Notes

These notes are provided to ensure proper selection and installation of Simpson Strong-Tie Company Inc. products and must be followed carefully.

a. Simpson Strong-Tie Company Inc. reserves the right to change specifications, designs and models without notice or liability for such changes.

b. Do not exceed published loads, doing so could jeopardize the connection.

c. A fastener that splits the wood will not take the design load. Evaluate splits to determine if the connection will perform as required. Dry wood may split easily and should be evaluated as required. If wood tends to split consider pre-boring holes with diameters specified in the 2015 Edition National Design Specification (NDS) sections 12.1.5 for screws and 12.1.6 for nails.

d. Fasteners may break if driven into hard materials or if countersunk below the surface of the substrate fastened.

e. Do not overdrive fasteners. Overdriven fasteners may have a reduction in shear and pull-through capacity.

f. Use products only in accordance with all instructions.

g. All specified fasteners must be installed according to the instructions in this catalog.

h. There are many choices of fasteners, tools and other products. It is often difficult to determine which type of product is best suited for your application. In some cases, there may be more than one type of product that will work well. The information in this catalog is intended to guide the Designer toward the product best suited for the specific application, use and environment. The choice of which product to use should be made by a qualified Designer.

i. All connected members and related elements shall be designed by the Designer.

j. Select fasteners of a type, size, length, thread, head, coating, material, point and other characteristics suitable for your application, use and environment. Incorrect fastener selection may cause the connection to fail.

k. If using a fastener from this catalog with any other Simpson Strong-Tie product, consult the appropriate Simpson Strong-Tie catalog or **strongtie.com** for detailed information concerning the other product.

l. Only use fasteners for their intended purpose as described in this publication. Connection failures can result from inappropriate substitution.

m. Test drive fasteners to assure fasteners install correctly.

n. The term "Designer" used throughout this catalog is intended to mean a licensed/certified building design professional, a licensed professional engineer or licensed architect.

o. Follow material manufacturer's installation instructions and fastener recommendations.

p. Unless otherwise noted, nail "penny size" does not imply specific diameters or load capacities. Design standards must be used in conjunction with fastener material, diameter and length to determine acceptable uses.

q. Use Quik Drive® tools only with authentic Quik Drive fasteners. Other fasteners will void the warranty and may cause the tool to malfunction and become damaged.

r. If a Quik Drive product is compatible with a specified tool, do not use the product with any other tool.

s. Power-driven fasteners may deflect and injure the operator or others. Follow the tool manufacturer's operating instructions and use appropriate safety equipment.

t. Choose the proper tool to suit the fastener and applications.

u. Use proper safety equipment and follow all safety instructions.

v. Always wear protective eyewear.

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Important Information and General Notes

w. With the use of any power or power fastener, follow manufacturer's safety instructions.

x. Dissimilar metal combinations should be carefully assessed and avoided if possible.

y. All carbon steel based fasteners have the potential to corrode and rust.

z. Some hardened fasteners may have premature failure if exposed to moisture. These fasteners are recommended to be used in interior dry conditions.

aa. Select a fastener only after reading the corrosion information on pp. 17–20 of this catalog.

ab. Be aware of special conditions that may increase corrosion risk and select product accordingly.

ac. Screws made from austenitic stainless steel are generally softer and have less torsional strength than screws made from carbon steel. Simpson Strong-Tie does not assume liability for breakage or damage due to screw breakage during or after installation. Pre-drilling may be necessary in some case. For best results, drive at 2,500 rpm or less.

ad. This catalog includes all information available as of the effective date of publication. Please consult **strongtie.com** for current information.

Deck Construction and Fastening Tips

- Before beginning construction, allow your decking materials to acclimate to the jobsite conditions. A freshly pressure treated deck board can contain over a gallon of liquid.
- Select the proper fastener based on the importance of the connection, exposure, and the materials that are being fastened. Consult pp. 17–20 of this catalog or **strongtie.com** for guidelines on choosing the correct fastener.
- Consider using 300 Series stainless-steel fasteners when elevated exposure conditions may exist, such as presence of de-icing salts or close proximity to swimming pools, hot tubs, sprinklers, ponds, foliage and other resident moisture sources. For composite decking, follow manufacturer's fastening requirements.
- Inadequate gap spacing between boards can put additional load on the fasteners and lead to broken screws or nail pops. For deck board spacing recommendations, refer to the board manufacturer. Spacing for wood decks depends on wood species and moisture content; for composites, consult manufacturer installation instructions.
- For wood decking, orient the boards "bark side up" to help shed water.
- Use caution to avoid overdriving fasteners during installation. Overdriving can cause fastener breakage and create a counterbore where water can pool, facilitating corrosion and decay.
- Allow for proper water drainage. A deck should angle away from the structure a minimum of ⅛" for every 8' to reduce the possibility of standing water.
- If ¾" decking is to be installed diagonally, reduce the on-center joist spacing to 12" versus standard 16".
- Adequate ventilation is necessary to minimize cupping, warping and other weathering related defects. Construct the deck a minimum of 18 inches off the ground to allow proper airflow. If this is not possible, reduce on-center joist spacing to 12" versus standard 16". A moisture barrier (landscape fabric) under the deck, covered with gravel is also a good practice.
- Proper maintenance is essential. Staining and sealing, along with periodic inspection of fasteners and hardware, will potentially add years to the life of the deck.

For more information on deck construction and products from Simpson Strong-Tie, please see our Deck Connection and Fastening Guide (F-DECKCODE) and the technical bulletin, Guardrail Post Installations Using Strong-Drive® SDWS Timber Screws (T-F-SDWSGRD).

Please refer to the American Wood Council's Prescriptive Residential Wood Deck Construction Guide (DCA 6) for important information on best practices and code compliant design.

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Understanding the Corrosion Issue

Metal connectors, fasteners and anchors can corrode and lose carrying capacity when installed in corrosive environments or when installed in contact with corrosive materials. The many variables present in a building environment make it impossible to predict accurately whether, or when, corrosion will begin to reach a critical level. This relative uncertainty makes it crucial that specifiers and users be knowledgeable about the potential risks and select a product suitable for the intended use. When there is any uncertainty about the possible corrosion risks of any installation, a qualified professional should be consulted. Because of the risks posed by corrosion, periodic inspections should be performed by a qualified engineer or qualified inspector and maintenance performed accordingly.

It's common to see some corrosion in outdoor applications. Even stainless steel can corrode. The presence of some corrosion does not mean that load capacity has been affected or that failure is imminent. If significant corrosion is apparent or suspected, then the wood, fasteners, anchors, and connectors should be inspected by a qualified engineer or qualified inspector. Replacement of affected components may be appropriate.

Because of the many variables involved, Simpson Strong-Tie cannot provide estimates of the service life of connectors, anchors, and fasteners. We suggest that all users and specifiers obtain recommendations on corrosion from the suppliers of the materials that will be used with Simpson Strong-Tie products, in particular, treated wood or concrete. We have attempted to provide basic knowledge on the subject here, and have additional information in our technical bulletins on the topic (**strongtie.com/info**). The Simpson Strong-Tie website should always be consulted for the latest information.

Corrosion Conditions

Corrosion can result from many combinations of environmental conditions, materials, construction design, and other factors, and no single guideline addresses all corrosion possibilities. Nevertheless, important corrosion information can be obtained from the American Wood Protection Association (AWPA), the International Building Code (IBC), International Residential Code (IRC), and local building codes. The following discussion provides general guidelines and approaches for the selection of Simpson Strong-Tie products for various construction conditions, but is not intended to supersede the guidelines of the AWPA, IBC, IRC, or local building codes.

Corrosion issues for Simpson Strong-Tie products generally fall into four categories:

1. Environmental and Construction Factors

Many environments and materials can cause corrosion, including ocean salt air, condensation, duration of wetness, fire retardants, fumes, fertilizers, chlorides, sulfates, preservative-treated wood, de-icing salts, dissimilar metals, soils, and more. Designers must take all of these factors into account when deciding which Simpson Strong-Tie products to use with which corrosion-resistant coatings or materials.

The design, quality of construction, and misinstallation can directly affect the corrosion resistance of products. A product intended and installed for use in dry-service environment may corrode if the structure design or building materials allow moisture intrusion, or expose the product to corrosive conditions, such as moisture or chemicals contained in the construction materials, soils, or atmospheres.

2. Chemically Treated Lumber

Some wood-preservative or fire-retardant chemicals or chemical retention levels create increased risk of corrosion and are corrosive to steel connectors and fasteners. For example, testing by Simpson Strong-Tie has shown that ACQ-Type D is more corrosive than Copper Azole, Micronized Copper Azole, or CCA-C. At the same time, other tests have shown that inorganic boron treatment chemicals, specifically SBX-DOT, are less corrosive than CCA-C.

Because different chemical treatments of wood have different corrosion effects, it's important to understand the relationship between the wood treatment chemicals and the coatings and base metals of Simpson Strong-Tie products.

The preservative-treated wood supplier should provide all of the pertinent information about the treated wood product. The information should include the AWPA Use Category Designation, wood species group, wood treatment chemical, and chemical retention. See building code requirements and appropriate evaluation reports for corrosion effects of wood treatment chemicals and for fastener corrosion resistance recommendations.

With Fire-Retardant-Treated (FRT) Wood, the 2015 and 2018 IBC Section 2304.10.5.4 and 2015 and 2018 IRC Section R317.3.4 refer to the manufacturers' recommendations for fastener corrosion requirements. In the absence of recommendations from the FRT manufacturer, the building codes require fasteners to be hot-dip galvanized, stainless steel, silicon bronze or copper. Simpson Strong-Tie further requires that the fastener is compatible with the metal connector hardware. Fastener shear and withdrawal allowable loads may be reduced in FRT lumber. Refer to the FRT manufacturer's evaluation report for potential reduction factors.

3. Dissimilar Metals and Galvanic Corrosion

Galvanic corrosion occurs when two electrochemically dissimilar metals contact each other in the presence of an electrolyte (such as water) that acts as a conductive path for metal ions to move from the more anodic to the more cathodic metal. Good detailing practice, including the following, can help reduce the possibility of galvanic corrosion of fasteners and connectors:

- Use fasteners or anchors and connectors with similar electrochemical properties
- Use insulating materials to separate dissimilar metals
- Ensure that the fastener or anchor is the cathode when dissimilar connector metals are present
- Prevent exposure to and pooling of electrolytes

Galvanic Series of Metals

Corroded End (Anode)
Magnesium, Magnesium alloys, Zinc
Aluminum 1100, Cadmium, Aluminum 2024-T4, Iron and Steel
Lead, Tin, Nickel (active), Inconel Ni-Cr alloy (active), Hastelloy alloy C (active)
Brasses, Copper, Cu-Ni alloys, Monel
Nickel (passive)
304 stainless steel (passive), 316 stainless steel (passive), Hasteloy alloy C (passive)
Silver, Titanium, Graphite, Gold, Platinum
Protected End (Cathode)

If you are uncertain about the galvanic corrosion potential of any installation, always consult with a corrosion expert. See the product pages for particular parts for more information regarding what coating systems are recommended or required for use with the parts in question.

4. Hydrogen-Assisted Stress Corrosion Cracking

Some hardened fasteners may experience premature failure from hydrogen-assisted stress-corrosion cracking if exposed to moisture. These fasteners are recommended for use only in dry-service conditions.

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Guidelines for Selecting Materials and Coatings

In the discussion and charts of this section, Simpson Strong-Tie presents a system to determine which product coatings and base metals to use in a range of corrosion conditions. These are general guidelines that may not consider all relevant application criteria. Refer to product-specific information for additional guidance.

Simpson Strong-Tie evaluated the AWPA Use Categories (See AWPA U1-16) and ICC-ES AC257 Exposure Conditions and developed a set of corrosion resistance recommendations. These recommendations address the coating systems and materials used by Simpson Strong-Tie for fastener, connector, and anchor products. Although the AWPA Use Categories and ICC-ES AC257 Exposure Conditions specifically address treated-wood applications and some common corrosion agents, Simpson Strong-Tie believes that its recommendations may be applied more generally to other application conditions, insofar as the service environments discussed are similar. You should consult with a corrosion engineer concerning the application where advisable.

Step 1 — Evaluate the Corrosion Conditions

- **Dry Service:** Generally INTERIOR applications including wall and ceiling cavities, raised floor applications in enclosed buildings that have been designed to prevent condensation and exposure to other sources of moisture. Prolonged periods of wetness during construction should also be considered, as this may constitute a Wet Service or Elevated Service condition. Dry Service is typical of AWPA UC1 and UC2 for wood treatment and AC257 Exposure Condition 1. Keep in mind that dry-service environment may contain airborne salts. AC257 Exposure Condition 2 reflects the presence of airborne salt in a dry-service environment and corrosion hazard to exposed metal surfaces. It does not include effects of treatment chemicals. This condition is generally considered in Elevated and Uncertain assessments.
- **Wet Service:** Generally EXTERIOR construction in conditions other than elevated service. These include Exterior Protected and Exposed and General Use Ground Contact as described by AWPA UC4A. The AWPA U1 standard classifies exterior above-ground treatments as Use Categories UC3 (A and B) depending on moisture run-off; and for exterior ground-contact levels of protection, it has Use Categories UC4 (A-C). ICC-ES AC257 considers the exterior exposure to be limited by the presence of treatment chemicals, and corrosion accelerators. In general, the AC257 Exposure Condition 1 includes AWPA Use Categories UC1 (interior/dry) and UC2 (interior/damp), while Exposure Condition 3 is a surrogate to UC3A, 3B, and 4A (exterior, above-ground and ground-contact, general use). The ICC-ES AC257 Exposure Conditions 2 and 4 are exposures that are salt environments.
- **Elevated Service:** Includes fumes, fertilizers, soil, some preservative-treated wood (AWPA UC4B and UC4C), industrial-zone atmospheres, acid rain, salt air, and other corrosive elements.
- **Uncertain:** Unknown exposure, materials, or treatment chemicals.
- **Ocean/Water Front Service:** Marine environments that include airborne chlorides, salt air, and some salt splash. Environments with de-icing salts are included.

Step 2 — Determine Your Corrosion Resistance Classification

Corrosion Resistance Classifications

Environment	Material to Be Fastened						
	Untreated Wood or Other Material	Preservative-Treated Wood					FRT Wood
		SBX-DOT Zinc Borate	Chemical Retention ≤ AWPA, UC4A	Chemical Retention > AWPA, UC4A	ACZA	Other or Uncertain	
Dry Service	Low	Low	Low	High	Medium	High	Medium
Wet Service	Medium	N/A	Medium	High	High	High	High
Elevated Service	High	N/A	Severe	Severe	High	Severe	N/A
Uncertain	High	High	High	Severe	High	Severe	Severe
Ocean/Water Front	Severe	N/A	Severe	Severe	Severe	Severe	N/A

Additional Considerations

1. Always consider the importance of the connection as well as the cost of maintenance and replacement.
2. If the information about treatment chemicals in an application is incomplete, or if there is any uncertainty as to the service environment of any application, Simpson Strong-Tie recommends the use of a Type 300 Series stainless steel. Simpson Strong-Tie has evaluated the corrosion effects of various formulations of wood treatment chemicals ACZA, ACQ, CCA, MCA, CA, and salt as corrosion accelerators. Simpson Strong-Tie has not evaluated all formulations and retentions of the named wood treatment chemicals other than to use coatings and materials in the severe category. Manufacturers may independently provide test results or other product information. Simpson Strong-Tie expresses no opinion regarding such information.
3. Type 316/305/304 stainless-steel products are recommended where preservative-treated wood used in ground contact has a chemical retention level greater than those for AWPA UC4A; CA-C, 0.15 pcf; CA-B, 0.21 pcf; micronized CA-C, 0.14 pcf; micronized CA-B, 0.15 pcf; ACQ-Type D (or C), 0.40 pcf. When wood treated with micronized CA-C and micronized CA-B with treatment retentions up to UC4B is in dry service, hot-dip galvanized fasteners and connectors may be suitable.
4. Mechanical galvanizations C3 and N2000 should not be used in conditions that would be more corrosive than AWPA UC3A (exterior, above ground, rapid water run off).
5. Some chemically treated wood may have chemical retentions greater than specification, particularly near the surface, making it potentially more corrosive than chemically treated wood with lower retentions. If this condition is suspected, use Type 316/305/304 stainless-steel, silicon bronze, or copper fasteners.
6. Some woods, such as cedars, redwood, and oak, contain water-soluble tannins and are susceptible to staining when in contact with metal connectors and fasteners. According to the California Redwood Association (**calredwood.org**), applying a quality finish to all surfaces of the wood prior to installation can help reduce staining.
7. Anchors, fasteners and connectors in contact with FRT lumber shall be hot-dip galvanized or stainless steel, unless recommended otherwise by the FRT manufacturer. Many FRT manufacturers permit low-corrosion-resistant connector and fastener coatings for dry-service conditions.
8. Simpson Strong-Tie does not recommend painting stainless-steel anchors, fasteners or connectors. Imperfections or damage to the paint can facilitate collection of dirt and water that can degrade or block the passive formation of the protective chromium oxide film. When this happens, crevice corrosion can initiate and eventually become visible as a brown stain or red rust. Painting usually does not improve the corrosion resistance of stainless steel.

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Corrosion Resistance Classifications

Simpson Strong-Tie® fasteners feature a wide range of materials and coatings designed to meet specific performance criteria. It is important to select a material and/or coating that is suitable for the intended application and environment based upon factors such as corrosion resistance and mechanical properties of the material. See p. 18 for more information on selecting fasteners based upon corrosion resistance.

Simpson Strong-Tie Company Inc. welcomes the opportunity to provide assistance in fastener selection. Please call (800) 999-5099 in the event that technical support is needed.

Low Level of Corrosion Resistance

Clear Zinc
Electroplated clear zinc is applied in accordance with ASTM F1941. In the ASTM B117 salt spray test, clear zinc provides 12 to 24 hours of corrosion protection before the first appearance of red rust depending on coating thickness.

Electrocoating (E-Coat™)
Electrocoat utilizes electrical current to deposit the coating material onto the fastener. After application, the coating is oven cured. Electrocoat is intended for dry service, low-corrosion applications and is suitable for use with FRT in medium-corrosion, dry-service applications.

Gray Phosphate
Gray phosphate provides a minimum level of corrosion resistance and is intended for dry, low-corrosion applications.

Black Phosphate
Black phosphate provides a minimum level of corrosion resistance and is intended for dry, low-corrosion applications.

Yellow Zinc
Electroplated zinc applied in accordance with ASTM F1941. In the ASTM B117 salt spray test, yellow zinc provides at least 24 hours of corrosion protection before the first appearance of red rust.

Class 1 Zinc Electroplate
Electroplated zinc applied in accordance with ASTM A641, Class 1. This is an electroplated zinc coating that provides a low level of corrosion resistance. The Class 1 coating has no specified red rust performance criteria in the B117 salt spray test.

Type 410 Stainless Steel
Type 410 stainless steel is a low-carbon martensitic grade of stainless steel that can be hardened and is inherently magnetic. This material provides corrosion resistance in mild atmospheres and many mild chemical environments.

Coated Zinc
This coating system consists of an electroplated zinc base layer with an E-Coat top coat. It provides corrosion resistance that is adequate for low corrosion environments. In ASTM B117 salt spray testing at 500 hours of exposure, fasteners with this coating have an average red rust of less than 5%.

Medium Level of Corrosion Resistance

Quik Guard® Coating
Quik Guard coatings are proprietary coating systems that consist of an electroplated zinc base layer and organic top coats. The corrosion resistance is equivalent to hot-dip galvanization (ASTM A153, Class D) in some exposures and in most non-marine environments, and described by ICC-ES, AC257 Exposures 1 and 3.

Double-Barrier Coating
The Simpson Strong-Tie double-barrier coating is a proprietary coating that provides a level of corrosion resistance that is equivalent to hot-dip galvanization (ASTM A153, Class D) in most non-marine environments and as described by ICC-ES, AC257 Exposures 1 and 3.

Class D Hot-Dip Galvanized, ASTM A153
The Class D hot-dip galvanization is a coating that meets the requirements of ASTM A153, Class D, which is a minimum average of 1.0 oz/ft^2 [305 g/m^2] of zinc applied by a hot-dip process. Hot-dip galvanized fasteners are compliant with the 2015 and 2018 IBC and IRC.

Class 55 Mechanically Galvanized, ASTM B695
This is a mechanically applied zinc coating that meets the requirements of ASTM B695, Class 55, which is a minimum average thickness of 55 microns with a supplementary overcoat. Screws with a Class 55 coating meet the requirements for use in preservative-treated and fire-retardant-treated wood as stated in the 2015 and 2018 IRC.

N2000® Mechanically Galvanized
This is a mechanically applied proprietary zinc coating with a supplementary overcoat. In the ASTM B117 salt spray test at 1000 hours of exposure, fasteners with the N2000 coating exhibit average red rust less than 15%.

C-3 Mechanically Galvanized
A mechanically applied coating that is zinc with a minimum of 20% tin in accordance with Australian Standard AS3566.2. In the ASTM B117 salt spray test at 1,000 hours of exposure, fasteners with the C3 coating exhibit average red rust of less than 2%.

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Corrosion Resistance Classifications

High Level of Corrosion Resistance

Types 304 and 305 Stainless Steel

Types 304 and 305 stainless steels are nickel-chromium austenitic grades of stainless steel. Types 304 and 305 stainless steels are not hardened by heat treatment and are inherently nonmagnetic.

They provide very good corrosion resistance and are suitable for use in many corrosive environments. Fasteners made from Types 304 and 305 stainless steels are compliant with the 2015 and 2018 IBC and IRC.

Severe Level of Corrosion Resistance

Type 316 Stainless Steel

Type 316 stainless steel is a nickel-chromium austenitic grade of stainless steel with 2-3% Molybdenum. Type 316 stainless steel is not hardened by heat treatment and is inherently nonmagnetic. It provides a level of corrosion protection suitable for severe environments, especially environments with chlorides. Type 316 stainless steel fasteners are compliant with the 2015 and 2018 IBC and IRC.

Class C, Hot-Dip Galvanized, ASTM A153

Class C hot-dip galvanization is a coating that meets the requirements of ASTM A153, Class C, which is a minimum average of 1.25 oz/ft^2 [381 g/m^2] of zinc applied by a hot-dip process. Hot-dip galvanized fasteners are compliant with the 2015 and 2018 IBC and IRC.

Copper

Copper wire used for the manufacture of fasteners is in compliance with the material specifications of ASTM F1667. Copper fasteners meet the requirements for use in preservative-treated and fire-retardant-treated wood as stated in the 2012 and 2015 IBC and IRC. Compatibility with proprietary wood treatment chemicals should be verified against applicable evaluation reports.

Passivation of Stainless-Steel Fasteners

Stainless steels are designed to naturally self-passivate by forming a chromium oxide layer. Corrosion resistance of some stainless-steel fasteners is enhanced by a post-fabrication passivation process. The passivation process uses an acid bath to strip free iron from the surface and an oxidizer to force conversion of the surface chromium to the oxide form.

General Note about Salt Spray Testing

Salt spray testing in accordance with ASTM B117 is not intended to represent real-world corrosion performance of fastener coatings. It should only be used for comparative evaluation between like products. Many variables may affect the outcome of the salt spray test such as base material, fastener features, coating and the material where it is installed.

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Nail Sizes

A common method used to represent nail sizes is the penny size, which is a length designation. The size is written with a number and the abbreviation "d" for "denarius" which is Latin for "penny." While referring to penny size and type designations such as "box" or "common" is a typical method for calling out nails, it is more accurate and reduces potential confusion if the nail is called out by diameter and length.

Nail Penny Size Lengths

Nail Size	Length	
	in.	mm
2d	1.00	25.4
3d	1.25	31.7
4d	1.50	38.1
5d	1.75	44.4
6d	2.00	50.8
7d	2.25	57.1
8d	2.50	63.5
9d	2.75	69.8
10d	3.00	76.2
12d	3.25	82.5
16d	3.50	88.9
20d	4.00	101.6
30d	4.50	114.3
40d	5.00	127.0
50d	5.50	139.7
60d	6.00	152.4
70d	7.00	177.8

Steel Wire Gauge/Diameter

Gauge	in.	mm
3	0.259	6.57
4	0.238	6.05
6	0.203	5.16
8	0.162	4.12
9	0.148	3.76
10	0.131	3.33
11	0.120	3.05
12	0.113	2.85
13	0.092	2.34
14	0.083	2.11
15	0.072	1.83
16	0.065	1.65
18	0.049	1.25
23	0.026	0.66

1. Table based on Birmingham or Stub's Iron Wire Gauge.

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Nail Types

Box: Bright, coated, plain-shank nail or regular stock steel with flat round head and medium diamond point. Shank diameter is smaller than common nails of the same penny weight.

Brads: A common term used for nails less than 1¼" in length with a head slightly larger than the shank. These nails can be easily concealed by countersinking below the work surface.

Casing: A wire nail with a head that is only slightly larger head than a finish nail, often used for flooring.

Common: Bright plain-shank nail of regular stock steel with flat round head and medium diamond point. Shank diameter is larger than box nails of the same penny size.

Connector: A wire nail with a concentric, full, round head and diamond point. The shank can be either deformed with annular rings or smooth.

Finishing: A wire nail with a head that is only slightly larger than the shank and medium diamond point. These nails can be easily concealed by countersinking below the work surface.

Post-Frame: A wire nail with a concentric, full, round head and 2.25 to 3 inches of shank length that is deformed with annular rings. The annular rings have over-shank diameter of 0.005 to 0.010 inch and the pitch is 20 rpi.

Roofing: A nail used for attaching paper or shingles to roof battens or sheathing; usually with a large flat head.

Roof Sheathing Ring-Shank: A wire nail with a concentric, full, round head and at least 1.5 inches of shank length deformed with annular rings. The annular rings have over-shank diameter of 0.005 to 0.012 inch and the pitch is 13 to 20 rpi.

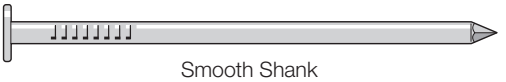
Siding: A wire nail with a shank that is typically 0.099" or less in diameter and a smaller head than other nails of the same size to help conceal the fastener after installation.

Nail Shank Types

Smooth Shank: There are no deformations on the shank, making nails with a smooth shank the easiest to drive. Smooth shank nails offer the least pull-out resistance when compared with spiral and ring shanks.

Spiral Shank: A spiral "thread" on the shank causes the nail to spin during installation, creating a thread-like interlock with the wood, which increases withdrawal capacity. Spiral-shank nails are designed to drive easier into harder woods and dense materials while still providing increased withdrawal resistance.

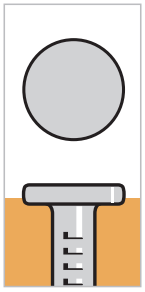
Annular Ring Shank: Annular threads or "rings" are formed on the shank to increase withdrawal capacity. The "rings" create an interlock between the shank of the nail and the wood, providing superior holding power. Generally considered the nail type with the best withdrawal resistance.



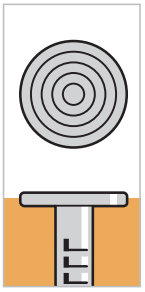
Smooth Shank

Spiral Shank

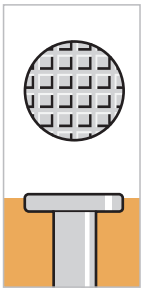
Annular Ring Shank



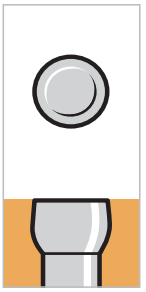
Flat Head



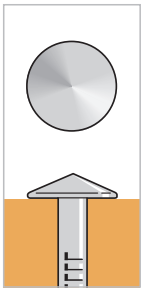
Flat Head with Concentric Ring Texture



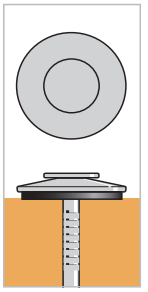
Checkered Head



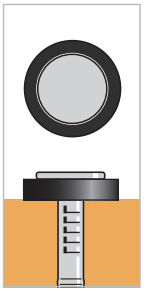
Finish Head



Pyramid Head



Flat Head with Bonded Washer



Flat Head with EPDM Washer

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Fastener Overview, Screw Features

Head Styles

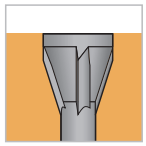
Flat Head

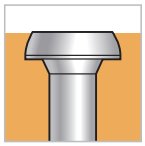
Flat Head with Nibs

Ribbed Flat Head

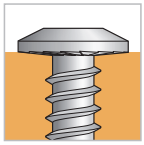
Bugle Head

Trim Head

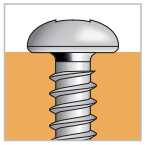

Trim Head with Nibs

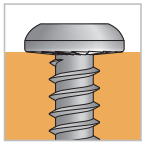

Cap Head

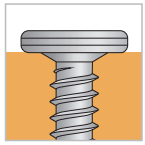
Ribbed Wafer Head


Truss Head

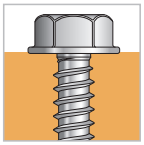
Modified Truss Head


Pan Head

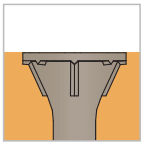

Flat-Pan Head

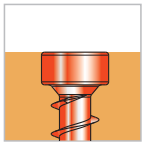

Pancake Head

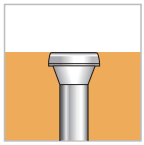
Ultra-Low Profile Pancake Head

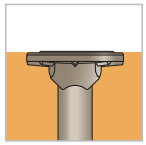

Hex-Washer Head

Washer Head

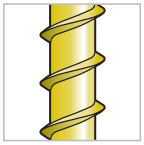

Rimmed Flat Head with Nibs

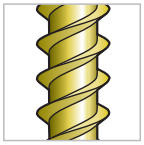

Cap-Style Head

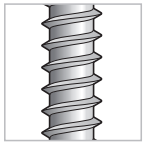

Compact Head

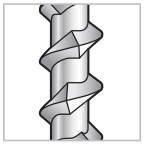

Washer Head with Box Nib

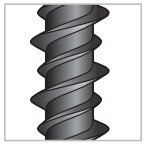
Thread Styles

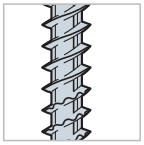

Coarse Threads

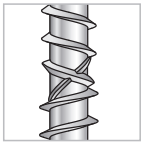

Twin Threads

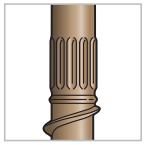

Metal Tapping Threads


Box Threads

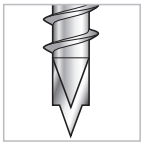

High-Low Threads

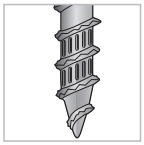

Serrated Threads

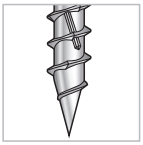

Reverse Threads


Knurls

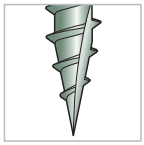
Point Styles

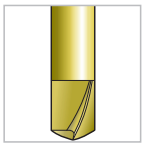

Paddle Point
Application:
Hardwood

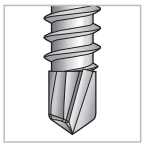

Saw Tooth
Application:
Wood-to-wood

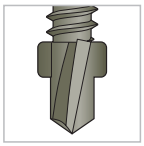

Sharp Point with Nib
Application:
Wood, composite

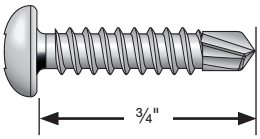
Sharp Point
Application:
Wood and thin metal


Type-17 Point
Application:
Wood, composite and thin metal

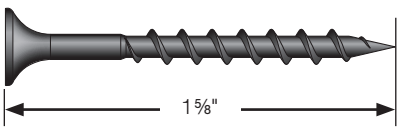

Pilot Point
Application:
Wood-to-metal


Drill Point
Application:
Metal
(see p. 26 for more information)


Drill Point with Wings
Application:
Wood-to-metal



Measure pan, pancake, truss, washer and hex-head screws from under head to point



Measure all other screws from top of head to point

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Color Guide for PVC/Composite Decking

SIMPSON Strong-Tie®

For current information regarding color matching, visit strongtie.com/deckcolormatch

Deck Board Series	Deck Board Color	Simpson Strong-Tie® Screw Color
AZEK®		
Arbor	Acacia	Brown 01
	Autumn Chestnut	Brown 05
	Brazilian Walnut	Brown 01
	Hazelwood	Gray 03
	Island Oak	Gray
	Morado	Tan 01
	Mountain Redwood	Red 01
	Silver Oak	Brown 05
Edge Prime	Dark Teak	Red 01
	Maritime Gray	Gray
	Tidal Sand	Tan
	Beachwood Gray	Gray
Harvest	Brownstone	Tan
	Kona	Brown 01
	Slate Gray	Gray 01
Vintage	Coastline	Gray 01
	Cypress	Tan 03
	Dark Hickory	Gray 04
	English Walnut	Tan 03
	Mahogany	Tan 01
	Weathered Teak	Tan
DuraLife®		
Landscapes™ Collection	Coastal Grey	Gray 01
	Mahogany	Red 01
	Pebble	Tan
	Slate	Gray 04
Hardwoods™ Collection	Brazilian Cherry	Red 01
	Garapa Gray	Gray
	Golden Teak	Tan 03
	Tropical Walnut	Tan 01
Deckorators®		
Classic Decking	Gray	Gray 01
	Cedar	Tan
	Redwood	Red 01
	Walnut	Tan 01
Dock and Deck Board	Gray	Gray
	Brown	Brown 01
Frontier Decking	Prairie	Red 01
	Summit	Gray
	Woodland	Brown 01
Heritage Decking	Ciderhouse	Brown 05
	Riverhouse	Brown 01
	Smokehouse	Gray 04
Picture Frame Deck	Dark Slate	Gray 04
Vault Decking	Mesquite	Brown 05
	Dusk	Gray
	Hickory	Tan
Vista Decking	Driftwood	Gray
	Ironwood	Tan 01
	Sandalwood	Tan
Voyage Decking	Costa	Tan
	Mesa	Brown 01
	Sierra	Gray
	Tundra	Gray

Deck Board Series	Deck Board Color	Simpson Strong-Tie® Screw Color
EverGrain® Envision®		
Evergrain (Decking)	Cape Cod Grey	Gray
	Cedar	Tan 03
	Redwood	Red
	Weathered Wood	Tan 01
Envision (Distinction)	Grey Wood	Gray
	Rustic Walnut	Brown 01
	Shaded Auburn	Red 01
	Spiced Teak	Tan 01
Envision (Expression)	Canyon Ridge	Red 01
	Caribou Brown	Brown 01
	Harbor Grey	Gray
	Woodland Bark	Brown 01
Envision (Inspiration)	Barnwood Plank	Brown 01
	Tangled Twine	Tan 03
	Weathered Wicker	Brown 01
Fiberon®		
ArmourGuard	Brazilian Walnut	Brown 01
	Coastal Cedar	Tan 03
	Nantucket Gray	Gray 04
	Seaside Gray	Gray 04
Good Life	Beach House	Gray 04
	Bungalow	Tan 01
	Tuscan Villa	Tan 01
	Cabin Solid	Tan 01
	Cottage Solid	Gray
Horizon®	Castle Gray	Gray 01
	Ipe	Tan 03
	Rosewood	Red 01
	Tudor Brown	Brown 01
Paramount® PVC	Brownstone	Brown 05
	Sandstone	Gray 01
	Flagstone	Gray 01
	Mineral	Gray 02
ProTect Advantage®	Chestnut	Tan 01
	Gray Birch	Gray
	Western Cedar	Tan 03
Sanctuary	Earl Grey	Gray 04
	Latte	Gray 01
	Jatoba	Tan 03
Symmetry	Burnt Umber	Brown 01
	Cinnabar	Red
	Graphite	Gray 04
	Warm Sienna	Brown 05
MoistureShield®		
Infuse®	Harbor Gray	Gray 04
	Northern Hickory	Tan 03
	Rosewood	Red 01
	Rustic Timber	Brown 01
	Southern Barnwood	Gray 04
Pro	Brazilian Chestnut	Red 01
	Graystone	Gray
	Ipe	Tan 01
ModernView®	Amber	Tan 03
	Java	Tan 01
	Sand	Tan 02
	Slate	Gray
	Tawny	Brown 05

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Color Guide for PVC/Composite Decking

SIMPSON Strong-Tie®

For current information regarding color matching, visit strongtie.com/deckcolormatch

Deck Board Series	Deck Board Color	Simpson Strong-Tie® Screw Color
MoistureShield® (cont.)		
Refine®	Aurora Mist	Gray
	Golden Teak	Tan 01
Vantage Collection®	Bridle	Brown 05
	Cape Cod Gray	Gray
	Desert Sand	Tan 02
	Earthtone	Gray 01
	Rustic Cedar	Tan 03
	Seasoned Mahogany	Red
	Tigerwood	Tan 01
	Walnut	Red 01
Vision®	Cathedral Stone	Gray 01
	Mochaccino	Tan
	Sandstone	Gray 01
	Smokey Gray	Gray 04
	Spanish Leather	Brown 01
TimberTech®		
DockSider	Cedar	Tan
	Gray	Gray / Gray 01
ReliaBoard	Cedar	Tan
	Gray	Gray / Gray 01
Pro Legacy	Ashwood	Gray 01
	Espresso	Gray
	Mocha	Red 01
	Pecan	Tan 01
	Sapele	Tan 01
	Tigerwood	Tan 01
Pro Terrain	Brown Oak	Tan 01
	Rustic Elm	Brown 01
	Sandy Birch	Tan 02
	Silver Maple	Gray
	Stone Ash	Gray
Pro Tropical	Amazon Mist	Gray 04
	Antiqua Gold	Tan 03
	Antique Palm	Tan 01
	Carribean Redwood	Red 01
Trex®		
Classic Earth Tones	Firepit	Red 01
	Gravel Path	Gray 01
	Rope Swing	Tan 02
	Tree House	Tan 01
	Vintage Lantern	Brown 01
Enhance® Basics	Beach Dune	Brown 05
	Clam Shell	Gray
	Saddle	Tan 01
Enhance® Naturals	Coastal Bluff	Brown 01
	Foggy Wharf	Gray
	Rocky Harbor	Tan 02
	Sunset Cove	Red 01
	Toasted Sand	Tan 01
Premium Tropical	Havana Gold	Tan 01
	Island Mist	Gray
	Lava Rock	Red 01
	Spiced Rum	Tan 01
	Tiki Torch	Tan 03
Select®	Madeira	Red
	Pebble Gray	Gray
	Winchester Grey	Gray 04
	Woodland Brown	Brown 01

Brown 01

Brown 05

Gray

Gray 01

Gray 03

Gray 04

Red

Red 01

Tan

Tan 01

Tan 02

Tan 03

Tan 04

White 01

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How Self-Drilling Screws Work

Application

As their name implies, self-drilling screws operate on the same principles as drill bits and other cutting tools. For any cutting tool, performance is governed by cutting speed, feed rate, depth of cut and the work material itself. Therefore, installation performance of self-drilling screws can be linked to the basic cutting tool parameters. Suggested optimal parameter values are listed by nominal screw size in the table below.

Point Geometry is the designed shape of the screw's drill point.

RPM is the speed at which the driver motor runs while the screw is installed. This is often adjustable using a variable pull trigger or different driver motor.

Applied Force is a measure of the user applied force as the screw is installed. More force is not necessarily better.

Work Material Hardness can be viewed as a material's resistance to drilling or cutting. In most instances, the harder the work material, the more difficult it is to cut.

Optimal Cutting Conditions by Screw Size

Screw Size	Major Diameter (in.)	RPM*	Applied Force* (lb.)	Work Material Hardness*
#6	0.138	2,200	80	20 Rockwell "C"-scale
#8	0.164	1,900	93	
#10	0.190	1,600	104	
#12	0.216	1,400	116	
#14	0.250	1,200	131	
#16	0.313	1,000	157	

* Suggested combined maximum values. Individual values may be increased if other, associated variables are decreased proportionally. Stated speeds may require a variable-speed screwdriver motor and a partial trigger-pull.

Special Considerations

Drill-Point Material is generally plain carbon steel which is less stable at high temperatures than equivalent high-speed steel (HSS) drill-bits. To reduce wear on the drill point, fasten using a drill motor rather than an impact driver or hammer drill.

High Temperature Stability affects how quickly the drill point fails due to the heat generated by the drilling operation. Refer to the troubleshooting guide at the end of this section for some visual examples.

Drilling Temperature is directly proportional to motor RPM, applied force, and work material hardness. As each value increases, so does the heat generated by the drilling operation.

Reducing Applied Force can increase durability and allow the drill point to penetrate thicker materials (i.e., remove more material before failing due to heat buildup).

Reducing Motor RPM can improve performance in harder materials by allowing the user to push harder during the drilling process and extending the life of the drill point.

Design Features

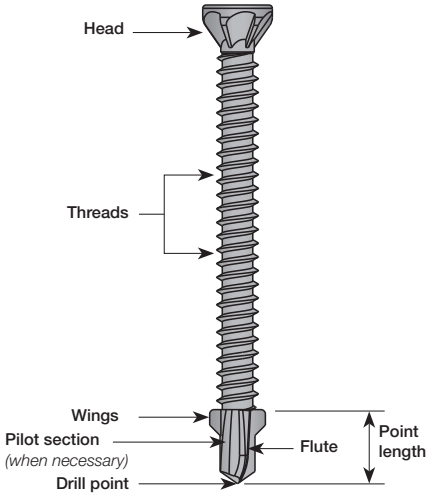
When selecting a self-drilling screw, consider the material thicknesses and types of materials to be joined. Following are some key design features to look for when selecting suitable fasteners.

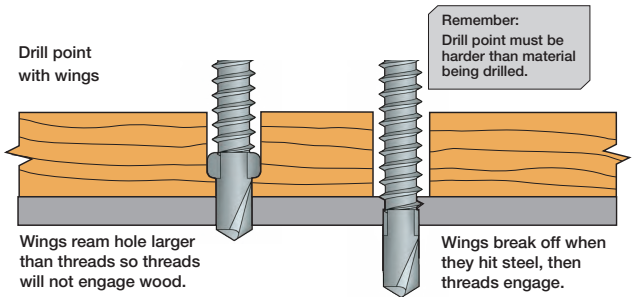
Drill Flutes allow drilled material to exit the hole. Completely embedded flutes can no longer remove these chips, which contain approximately 80% of the heat created by the drilling process. A buildup of this material can cause the point to over-heat and fail.

Point Length determines the material thickness which the screw can reliably penetrate. The unthreaded portion of the point, (pilot section) must be able to completely drill through the material before the threads engage. If the threads engage before drilling is complete, the fastener can bind and break.

Point Wings are used on some screws that fasten thicker materials, such as wood, to metal. The wings enlarge the hole in the fastened material, allowing the threads to pass through without contacting the fastened material. This added clearance prevents separation of the fastened material from the base metal (known as "jacking"). The wings will break away on contact with the metal before the threads engage in the metal.

Basic Self-Drilling Screw Anatomy





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How Self-Drilling Screws Work

Work Material Thickness by Screw

Screw Point Type	Screw Size	Suitable Material Thickness[1] (in.)
#2	#6	0.035 – 0.100
	#8	0.035 – 0.100
	#10	0.035 – 0.100
#3	#8	0.100 – 0.140
	#10	0.110 – 0.175
	#12	0.110 – 0.210
	#14	0.110 – 0.220
#4	#12	0.175 – 0.250
	#14	0.175 – 0.250
#5	#14	0.250 – 0.500

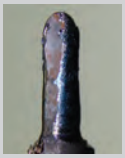
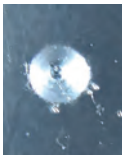
1. Total thickness of all steel, including any spacing between layers.

Cold-Formed Steel Thicknesses for Framing Applications

Gauge[1]	Mil[2]	Design Thickness		Minimum Thickness	
		(in.)	(mm)	(in.)	(mm)
25	18	0.0188	0.48	0.0179	0.45
22	27	0.0283	0.72	0.0269	0.68
20 (Drywall)	30	0.0312	0.79	0.0296	0.75
20 (Structural)	33	0.0346	0.88	0.0329	0.83
18	43	0.0451	1.15	0.0428	1.09
16	54	0.0566	1.44	0.0538	1.37
14	68	0.0713	1.81	0.0677	1.72
12	97	0.1017	2.58	0.0966	2.45

1. For reference only.
2. One "mil" is 1/1,000 (0.001) of an inch. Mil thickness measures the uncoated base material.

Self-Drilling Screw Troubleshooting Guide

Failure Mode	Likely Cause(s)	Suggested Action
Split at point (web)	Excessive force (feed) applied while drilling	Reduce application force
Outer corners worn or melted	Drill RPM (cutting speed) too high	Use slower motor or partial trigger pull
Cutting edges chipping or breaking	Excessive force (feed) applied while drilling	Reduce application force
Point melted or diameter significantly reduced 	• Work material too hard • Insufficient chip clearance • Excessive force (feed) applied while drilling	• Confirm work material specs • Choose screw with longer pilot section • Reduce application force
Screw spins without drilling a hole 	• Drill motor set on reverse • Work material too hard • Drill point blunted by handling	• Check motor direction • Confirm work material specs • Inspect unused drill points for possible damage (from handling)

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A faster, stronger fastening solution.

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Application Guide

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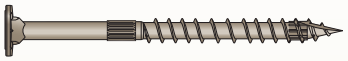
Decks, Docks and Boardwalks

Screws, Nails and Specialty

Strong-Drive®
SDWS **FRAMING** Screw

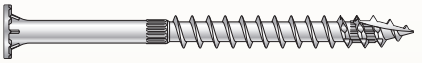


Washer head with box nibs, Quik Guard® coating, p. 52

Strong-Drive
SDWS **TIMBER** Screw

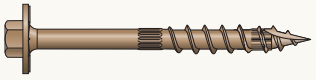
Washer head with nibs, double-barrier coating, p. 53

Strong-Drive
SDWS **TIMBER** SS Screw



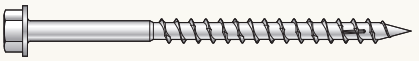
Flat head, Type 316 stainless steel, p. 54

Strong-Drive
SDWH **TIMBER-HEX** Screw



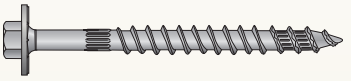
Hex-washer head with nibs, double-barrier coating, p. 55

Strong-Drive
SDWH **TIMBER-HEX SS** Screw



Hex head, Type 316 stainless steel, p. 56

Strong-Drive
SDWH **TIMBER-HEX HDG** Screw

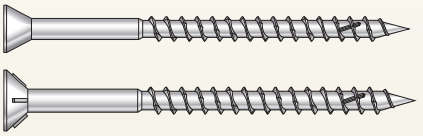


Hex-washer head with nibs, Class C, hot-dip galvanized, p. 57

Deck-Drive™
DSV **WOOD** Screw

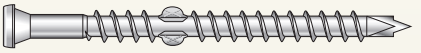
Rimmed flat head with nibs, Quik Guard coating, p. 65; collated*, p. 190

Deck-Drive
DWP **WOOD SS** Screw



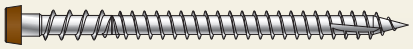
Flat with nibs and trim heads, Types 316 and 305 stainless steel, p. 63; painted head, Types 316 and 305 stainless steel, p. 64; collated*, p. 191

Deck-Drive
DHPD **HARDWOOD** Screw



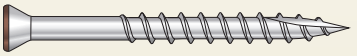
Cap head, Type 305 stainless steel, p. 66; collated*, p. 191

Deck-Drive
DCU **COMPOSITE** Screw



Cap head, Types 316 and 305 stainless steel, Quik Guard coating, pp. 76–78; collated*, pp. 197–198

Trim-Head Screw



Trim head, Types 316 and 305 stainless steel, pp. 70–72; painted head, Types 316 and 305 stainless steel, pp. 71–72; collated*, p. 193, sharp point, p. 192

Bugle-Head Wood Screw

Bugle head, Types 316 and 305 stainless steel, pp. 67–69; collated*, p. 193

Cedar Redwood Decking Nail

Types 316 and 304 stainless steel, p. 112

Preservative-Treated Wood Decking Nail

Types 316 and 304 stainless steel, p. 119

EB-TY® Premium

Includes EB-GUIDE and trim-head screws, pp. 74–75

*Collated for the Quik Drive® system

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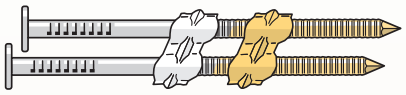
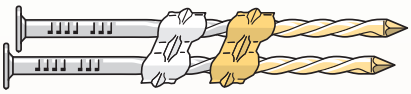
Collated Nails

20°–22° Plastic Strip, Full Round Head, Ring-Shank Nail



Types 316 and 304 stainless steel and silicon bronze, p. 142

20°–22° Plastic Strip, Full Round Head, Screw-Shank Nail



Types 316 and 304 stainless steel, p. 143

20°–22° Plastic Strip, Casing Head, Ring-Shank Nail

Type 304 stainless steel, p. 141

31°–34° Plastic Strip, Full Round Head, Ring-Shank Nail

Types 316 and 304 stainless steel and silicon bronze, p. 145

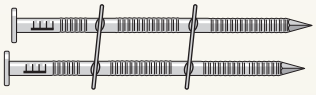
31°–34° Paper Tape, Clipped Head, Ring-Shank Nail

Types 316 and 304 stainless steel, p. 147

28° Wire Weld, Clipped Head, Ring-Shank Nail

Type 304 stainless steel, p. 146

15° Wire Coil, Full Round Head, Ring-Shank Nail



Types 316 and 304 stainless steel, p. 139

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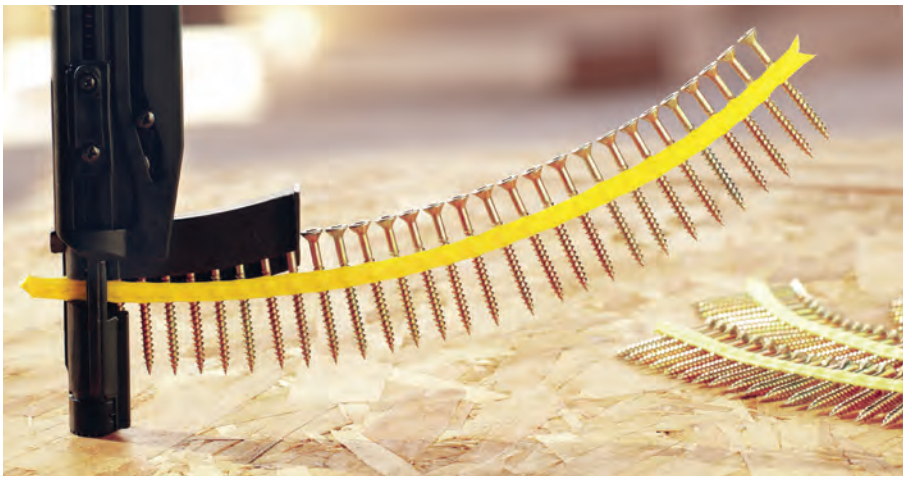
Subfloor and Sheathing Applications



Screws

Strong-Drive
WSV **SUBFLOOR** Screw

Wood-to-wood applications, yellow zinc coating, collated*, p. 200

Strong-Drive
PPSD **SHEATHING-TO-CFS** Screw

Wood-to-steel applications, #2 drill point, Quik Guard® or yellow zinc coating, p. 94; collated*, p. 209

Strong-Drive
TB **WOOD-TO-STEEL** Screw

#4 drill point, black phosphate, mechanically galvanized coating, p. 93; collated*, p. 207

Strong-Drive®
WSNTL **SUBFLOOR** Screw

Wood-to-wood applications, yellow zinc coating, twin thread, collated*, p. 202

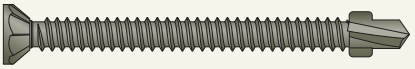
WSHL
Subfloor Screw

Wood-to-wood applications, gray phosphate coating, high-low threads, collated* p. 203

WSC
Wood Screw

Wood-to-wood applications, yellow zinc coating, coarse thread, collated* p. 206

CBSDQ
Sheathing-to-CFS Screw



Sheathing to cold-formed steel, Quik Guard coating, collated*, p. 213

*Collated for the Quik Drive® system

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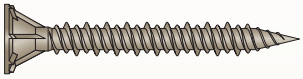
Underlayment and Backerboard Applications

Screws

Cement Board Screw

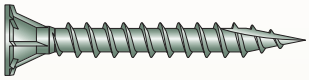


Cement board, multilayer coating, p. 88

MTH Underlayment Screw

Wood underlayment, gray phosphate, collated*, p. 204

CB3BLG
Fiber-Cement Board Screw



Cement board, C-3 mechanically galvanized coating, meets ANSI standards, collated*, p. 194

DWF
Drywall-to-CFS Screw

Gypsum panel to steel, gray phosphate coating, collated*, p. 214

DWFSD
Drywall-to-CFS Screw

Gypsum panel to steel, yellow zinc coating, collated*, p. 214

DWC
Drywall Screw

Gypsum panel to wood, gray phosphate, yellow zinc or N2000 galvanized coating; collated*, p. 203

Strong-Drive
WSV **SUBFLOOR** Screw

Wood-to-wood applications, yellow zinc coating, collated*, p. 200

*Collated for the Quik Drive® system

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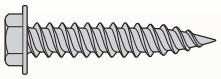
Siding on Wood and Steel

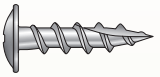
Screws and Nails

Metal-Panel Screw



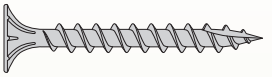
Washer head, Type 316 stainless steel, p. 96

Wire-Lathe Modified Truss-Head Screw



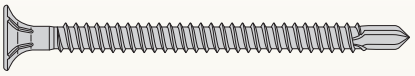
Type 305 stainless steel, p. 89

Fiber-Cement Screw



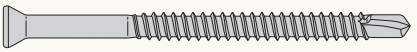
Type 316 stainless steel, p. 88

Self-Drilling Fiber-Cement Screw



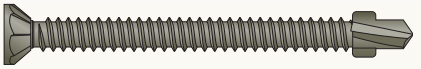
Type 410 stainless steel, p. 100

Self-Drilling Siding Screw



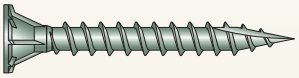
Type 410 stainless steel, p. 102

CBSDQ
Sheathing-to-CFS Screw



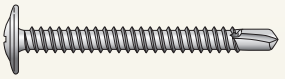
#2 drill point, Quik Guard® coating, collated*, p. 213

CB3BLG
Fiber-Cement Board Screw



C-3 galvanized coating, collated*, p. 194

Self-Drilling Wire-Lath Modified
Truss-Head Screw



Type 410 stainless steel, p. 104

Wood Siding Nail

Types 316 and 304 stainless steel, p. 113

Shake and Shingle Siding/Roofing Nail

Types 316 and 304 stainless steel, p. 121

Painted Siding Nail

Types 316 and 304 stainless steel, p. 120

Fiber-Cement Siding Nail

Type 316 stainless steel, p. 116

*Collated for the Quik Drive® system

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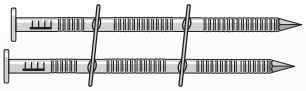
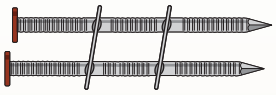
Collated Nails and Staples

15° Wire Coil, Full Round Head, Ring-Shank Nail



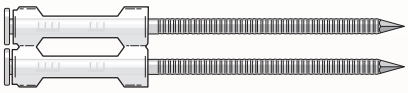
Types 316 and 304 stainless steel, p. 135

15° Wire Coil, Painted, Full Round Head, Ring-Shank Nail



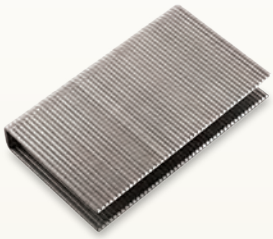
Type 304 stainless steel, p. 136

0° and 15° Inserted Plastic Coil, Full Round Checkered Head, Ring-Shank Nail



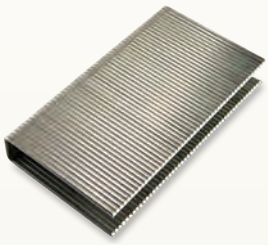
Types 316 and 304 stainless steel, aluminum, pp. 132–133

7/16" Crown, 16 Gauge Staple



Types 316 and 304 stainless steel, p. 157

½" Crown, 16 Gauge Staple



Types 316 and 304 stainless steel, p. 155

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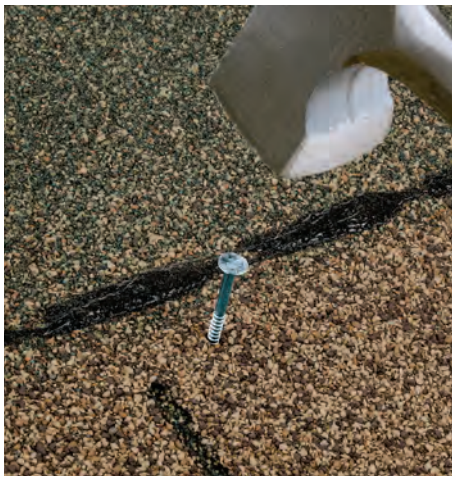
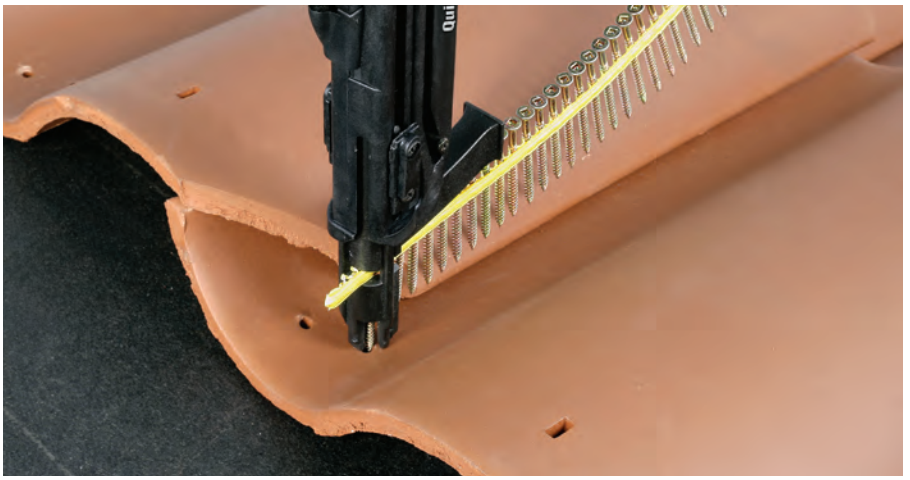
Roofing





Screws and Nails

Shake and Shingle Siding/Roofing Nail

Types 316 and 304 stainless steel, p. 121

Roofing, Tile and Slating Nail

Types 316 and 304 stainless steel, copper and aluminum, p. 126

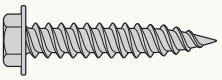
Washered Roofing Nail

Type 304 stainless steel, p. 122

Nail with EPDM Washer

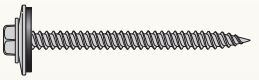
Types 316 and 304 stainless steel, p. 118

Metal-Panel Screw



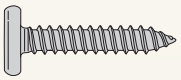
Washer head, Type 316 stainless steel, p. 96

Metal-Panel Screw with EPDM Washer



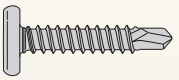
Type 316 stainless steel, p. 96

Pancake-Head Screw



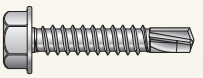
Type 410 stainless steel, p. 89

Self-Drilling Pancake-Head Screw



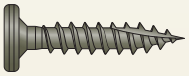
Type 410 stainless steel, p. 98

Strong-Drive® Self-Drilling X Metal Screw



5⁄16" hex head, Quik Guard and clear zinc coating, p. 92

PC Standing-Seam-Roofing Panel Clip Screw



Type-17 point, clear zinc or Quik Guard® coating and Type 410 stainless steel, collated*, p. 205

WSCD Roofing Tile Screw

Miami-Dade compliant, meets ASTM B695 Class 55 mechanically galvanized coating, collated*, p. 196

WSCT Roofing Tile Screw

Meets ASTM A641 Class 1 standard, heavy-zinc electroplate coating, collated*, p. 196

SSWSCB Roofing Tile Screw

Type-17 point, Type 305 stainless steel, collated*, p. 196

*Collated for the Quik Drive® system

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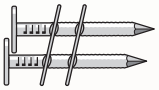
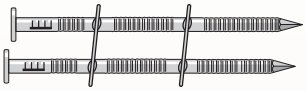
Collated Nails and Staples

15° Wire Coil, Full Round Head, Smooth-Shank Roofing Nail



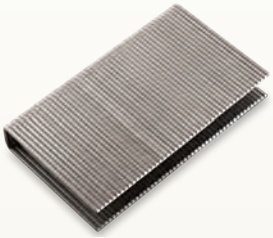
Types 316 and 304 stainless steel, p. 138

15° Wire Coil, Full Round Head, Ring-Shank Roofing Nail



Types 316 and 304 stainless steel, p. 137

7/16" Crown, 16-Gauge Staple



Types 316 and 304 stainless steel, p. 157

½" Crown, 16-Gauge Staple

Type 316 stainless steel, p. 155

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Wood Framing

Screws

Strong-Drive®
SDWS **FRAMING** Screw

Washer head with box nibs, Quik Guard® coating, p. 52

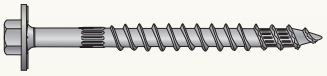
Strong-Drive
SDWS **TIMBER** Screw

Washer head with nibs, double-barrier coating, p. 53

Strong-Drive
SDWH **TIMBER-HEX** Screw

Hex-washer head with nibs, double-barrier coating, p. 55

Strong-Drive
SDWH **TIMBER-HEX HDG** Screw



Hex-washer head with nibs, Class C, hot-dip galvanized, p. 57

Strong-Drive
SDWH **TIMBER-HEX SS** Screw

Type 316 stainless steel, p. 56

Strong-Drive
SDW **TRUSS-PLY** Screw

Washer head with nibs, E-coat coating, p. 83

Strong-Drive
SDW **EWP-PLY** Screw

Washer head with nibs, E-coat® coating, p. 82

Strong-Drive
SDWC **TRUSS** Screw

Clear zinc coating (with orange topcoat), p. 84

Strong-Drive
SDWS **LOG** Screw

Washer head with nibs, E-coat coating, p. 83

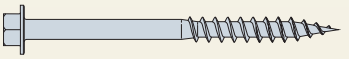
Strong-Drive
SDWF **FLOOR-TO-FLOOR** Screw

E-coat coating, p. 86

Strong-Drive
SDS **HEAVY-DUTY CONNECTOR** Screw

Type 316 stainless steel and double-barrier coating, p. 60

Strong-Drive
SD **CONNECTOR** Screw



Class 55 mechanically galvanized, p. 61

Strong-Drive
SDWV **SOLE-TO-RIM** Screw

p. 87

Deck-Drive™
DSV **WOOD** Screw

Rimmed flat head with nibs, Quik Guard coating, p. 65; collated*, p. 190

Quik Stik™
Rafter and Truss Fastening System

p. 85 *(designed for use with Strong-Drive SDWC Truss screw)*

*Collated for the Quik Drive® system

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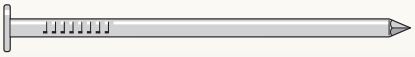
Nails

Common Nail, Ring Shank

Types 316 and 304 stainless steel, p. 114

Common Nail, Smooth Shank



Types 316 and 304 stainless steel, hot-dip galvanized, p. 115

Post and Beam Nail, Ring Shank

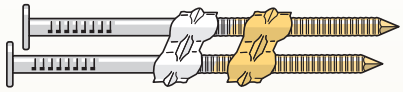
Types 316 and 304 stainless steel, p. 118

Box Nail, Ring-Shank

Types 316 and 304 stainless steel, p. 111

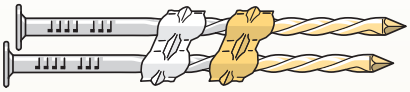
Collated Nails

20°–22° Plastic Strip, Full Round Head, Ring-Shank Nail



Types 316 and 304 stainless steel, p. 142

20°–22° Plastic Strip, Full Round Head, Screw-Shank Nail

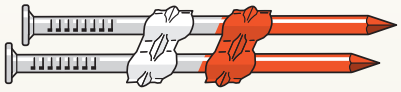


Types 316 and 304 stainless steel, p. 143

20°–22° Plastic Strip, Casing Head, Ring-Shank Nail

Type 304 stainless steel, p. 141

20°–22° Plastic Strip, Full Round Head, Smooth-Shank Nail

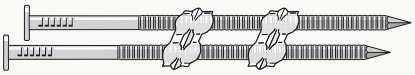


Types 316 and 304 stainless steel, p. 144

28° Wire Weld, Clipped Head, Ring-Shank Nail

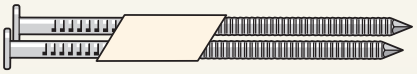
Type 304 stainless steel, p. 146

31°–34° Plastic Strip, Full Round Head, Ring-Shank Nail



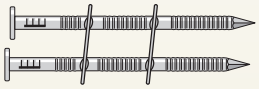
Types 316 and 304 stainless steel, p. 145

31°–34° Paper Tape, Clipped Head, Ring-Shank Nail



Types 316 and 304 stainless steel, p. 147

15° Wire Coil, Full Round Head, Ring-Shank Nail



Types 316 and 304 stainless steel, p. 139

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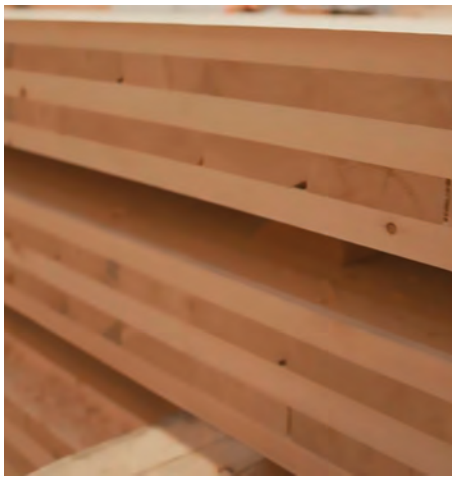
Mass Timber / Cross-Laminated Timber (CLT)



Screws

Strong-Drive®
SDWC **TRUSS** Screw

Clear zinc coating (with orange topcoat), p. 84

Strong-Drive
SDWS **TIMBER** Screw

Washer head with nibs, double-barrier coating, p. 53

Strong-Drive
SDWS **LOG** Screw

Washer head with nibs, E-coat® coating, p. 83

Strong-Drive
SDWV **SOLE-TO-RIM** Screw

p. 87

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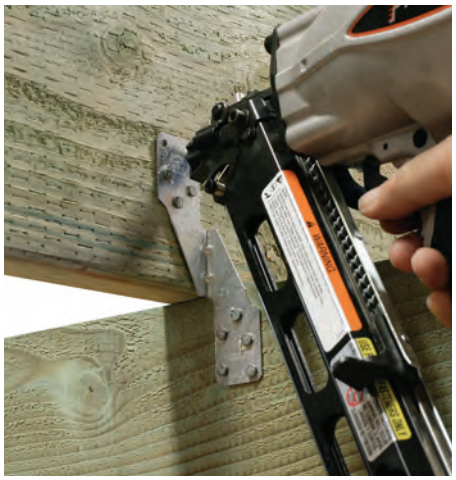
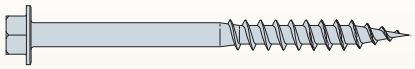
Fasteners for Simpson Strong-Tie® Connectors



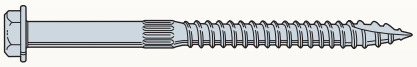
Screws and Nails

Strong-Drive®
SD **CONNECTOR** Screw



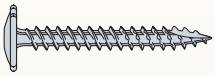
Class 55 mechanically galvanized, p. 61

Strong-Drive
SDS **HEAVY-DUTY CONNECTOR** Screw



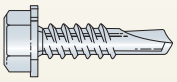
Double-barrier coating, Type 316 stainless steel, p. 60

Wafer-Head Screw



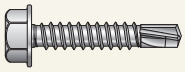
Clear zinc coating, p. 87

Self-Drilling E Metal Screw



Cold-formed steel framing, p. 93

Strong-Drive
Self-Drilling X Metal Screw



5⁄16" hex head, Quik Guard®
and clear zinc coating, collated*, p. 92

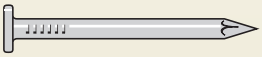
Strong-Drive XE **EXTERIOR STRUCTURAL METAL** Screw

5⁄16" hex head, Quik Guard coating, p. 92

Strong-Drive SCNR
RING-SHANK CONNECTOR Nail

Type 316 stainless steel, hot-dip galvanized, bright, p. 109

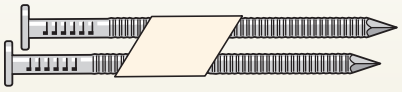
Strong-Drive SCN
SMOOTH-SHANK CONNECTOR Nail



Hot-dip galvanized, bright, p. 108

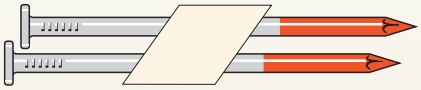
Collated Nails

Strong-Drive
33° SCNR **RING-SHANK CONNECTOR** Nail



Type 316 stainless steel, Class D, hot-dip galvanized, p. 131

Strong-Drive
33° SCN **SMOOTH-SHANK CONNECTOR** Nail



Class D, hot-dip galvanized, bright, electrogalvanized, p. 130

*Collated for the Quik Drive® system

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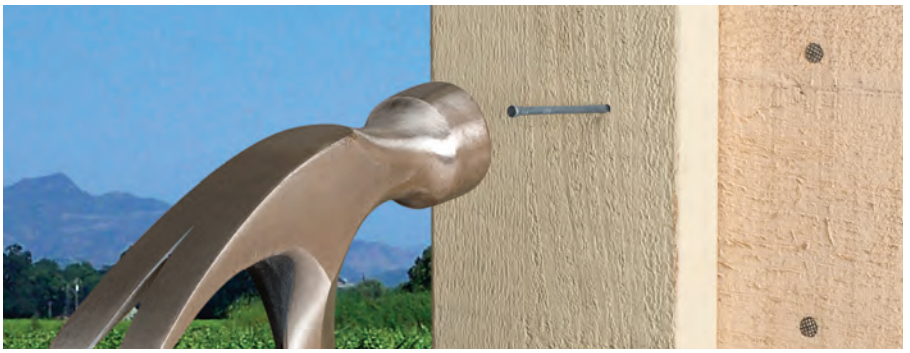
Finishing, Millwork and Trim

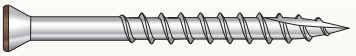


Screws and Nails

Deck-Drive™ DWP **WOOD SS** Screw

Trim-head, Types 305 and 316 stainless steel, p. 64

Trim-Head Screw

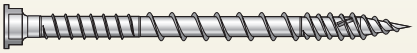


Types 316 and 305 stainless steel, pp. 70, 72; painted head, Types 316 and 305 stainless steel, pp. 71–72

Finishing Nail

Types 316 and 304 stainless steel, p. 117

PVC Trim-Board Screw

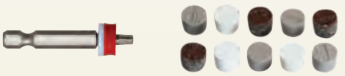


White exterior-grade coating, p. 81

PVC Trim-Board Nail

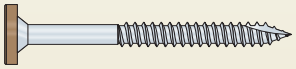
Type 316 stainless steel, p. 120

Deck-Drive DCU Screw Plug Solution



Auto-Set Driver™ bit sold separately, p. 78

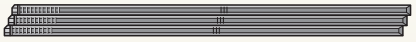
Fascia-Fastening Solution™



Counterbore bit sold separately, p. 80

Collated Nails

20° Adhesive Collation
T-Style Head Angle Finishing Nail



16 gauge, Types 316 and 304 stainless steel, p. 148

25° Adhesive Collation
FN-Style Head Angle Finishing Nail

15 gauge, Types 316 and 304 stainless steel, p. 148

16-Gauge Straight Adhesive
Collation T-Style Head Finishing Nail

Types 316 and 304 stainless steel, p. 150

18-Gauge Straight Adhesive
Collation T-Style Head Brads

Types 316 and 304 stainless steel, p. 151

Adhesive Collation Straight
Headless Micro Pins

23 gauge, Type 304 stainless steel, p. 152

15° Inserted Plastic Coil, White
Full Round Head, Ring-Shank Nail

Types 316 and 304 stainless steel, p. 133

Collated Staples

¼" Crown, 18-Gauge Staple

Types 316 and 304 stainless steel, p. 156

DA-Style Angle, 15-Gauge Finishing Nail

Type 304 stainless steel, p. 149

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Fencing

Screws and Nails

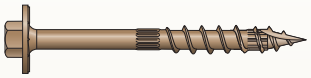
Strong-Drive®
SDWS **FRAMING** Screw

Washer head with box nibs, Quik Guard® coating, p. 52

Strong-Drive
SDWS **TIMBER** Screw

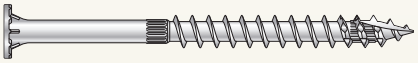
Washer head with nibs, double-barrier coating, p. 53

Strong-Drive
SDWH **TIMBER-HEX** Screw



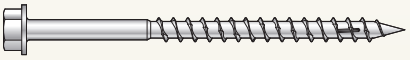
Hex-washer head with nibs, double-barrier coating, p. 55

Strong-Drive
SDWS **TIMBER** SS Screw



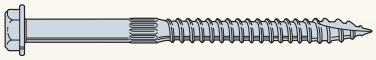
Flat head, Type 316 stainless steel, p. 54

Strong-Drive
SDWH **TIMBER-HEX SS** Screw



Hex head, Type 316 stainless steel, p. 56

Strong-Drive
SDS **HEAVY-DUTY CONNECTOR** Screw

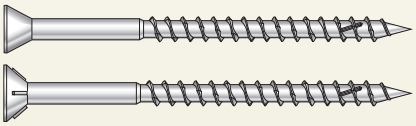


Hex head, double-barrier coating, Type 316 stainless steel, p. 60

Deck-Drive™ DSV **WOOD** Screw

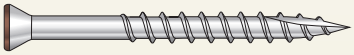
Rimmed flat head with nibs, Quik Guard coating, p. 65; collated*, p. 190

Deck-Drive DWP **WOOD SS** Screw



Flat and trim heads,Types 316 and 305 stainless steel, pp. 63–64; painted head, Types 316 and 305 stainless steel, p. 64; collated*, p. 191

Trim-Head Screw



Trim head, Types 316 and 305 stainless steel, pp. 70, 72; painted head, Types 316 and 305 stainless steel, pp. 71–72; collated*, pp. 192-193

Bugle-Head Wood Screw

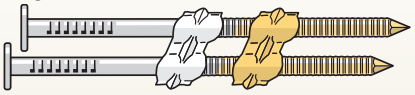
Bugle head, Types 316 and 305 stainless steel, pp. 67–68

WSC Wood Screw

Flat head, N2000® coating, collated*, p. 206

Collated Nails

20°–22° Plastic Strip, Full Round Head, Ring-Shank Nail



Types 316 and 304 stainless steel, p. 142

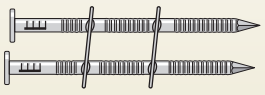
28° Wire Weld, Clipped Head, Ring-Shank Nail

Type 304 stainless steel, p. 146

31°–34° Paper Tape, Clipped Head, Ring-Shank Nail

Types 316 and 304 stainless steel, p. 147

15° Wire Coil, Full Round Head, Ring-Shank Nail



Types 316 and 304 stainless steel, p. 135

0° and 15° Inserted Plastic Coil, Full Round Checkered Head, Ring-Shank Nail

Types 316 and 304 stainless steel, pp. 132–133

*Collated for the Quik Drive® system

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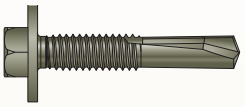
Fastening to Metal

Screws

Strong-Drive®
XL **LARGE-HEAD METAL** Screw



5⁄16" hex head, Quik Guard® coating, p. 91; collated*, p. 210

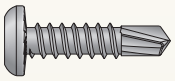
Strong-Drive
XM **MEDIUM-HEAD METAL** Screw

5⁄16" hex head, Quik Guard coating, p. 91; collated*, p. 210

Strong-Drive XE **EXTERIOR STRUCTURAL METAL** Screw

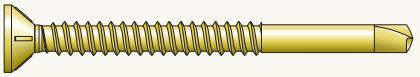
5⁄16" hex head, Quik Guard coating, p. 92

Strong-Drive
FPHSD **FRAMING-TO-CFS** Screw



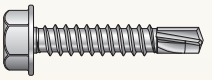
Flat-pan head, clear zinc coating, p. 95

Strong-Drive
PPSD **SHEATHING-TO-CFS** Screw



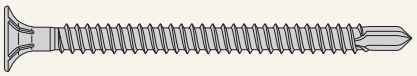
Subfloor to CFS screw Quik Guard and yellow zinc coating, p. 94; collated*, p. 209

Strong-Drive
Self-Drilling X Metal Screw



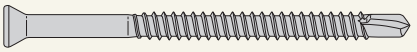
5⁄16" hex head, Quik Guard and clear zinc coating; collated*, p. 92

Self-Drilling
Fiber-Cement Screw



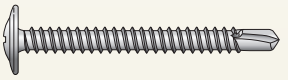
Type 410 stainless steel, p. 100

Self-Drilling Siding Screw



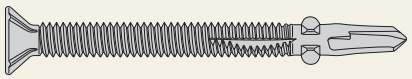
Type 410 stainless steel, p. 102

Self-Drilling Wire-Lath Modified
Truss-Head Screw



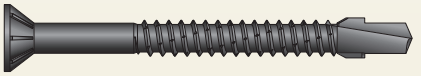
Type 410 stainless steel, p. 104

Self-Drilling Flat-Head Screw with Wings



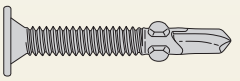
Type 410 stainless steel, p. 101

Strong-Drive
TB **WOOD-TO-STEEL** Screw



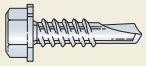
#4 drill point, black phosphate, mechanically galvanized coating, p. 93; collated*, p. 207

Self-Drilling Wafer-Head Screw with Wings



Type 410 stainless steel, p. 103

Self-Drilling E Metal Screw



Cold-formed steel framing, p. 93

*Collated for the Quik Drive® system

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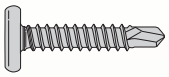
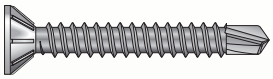
Fastening to Metal

Self-Drilling Pancake-Head Screw



Type 410 stainless steel, p. 98

FHSD
Wood-to-CFS Screw

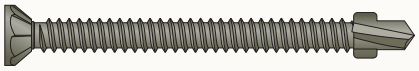


#2 drill point, Type 410 stainless steel, collated*, p. 215

DWFSD
Drywall-to-CFS Screw

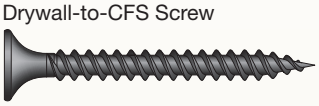
Drywall to steel, #2 point, yellow zinc coating (54, 43 mil / 16, 18 ga.), collated*, p. 214

CBSDQ
Sheathing-to-CFS Screw



Sheathing to steel, #2 drill point, Quik Guard coating, collated*, p. 213

DWF
Drywall-to-CFS Screw



Drywall to steel, gray phosphate coating (33, 27, 18 mil / 20, 22, 25 ga.), collated*, p. 214

*Collated for the Quik Drive® system

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Log Homes

Screws

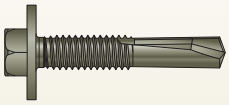
Strong-Drive®
SDWS **LOG** Screw

Washer head with nibs, E-coat®, p. 83

Steel Decking

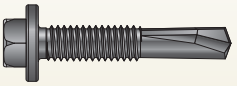
Screws

Strong-Drive
XL **LARGE-HEAD METAL** Screw



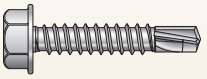
5⁄16" hex head, Quik Guard® coating, p. 91; collated*, p. 210

Strong-Drive
XM **MEDIUM-HEAD METAL** Screw



5⁄16" hex head, Quik Guard coating, p. 91; collated*, p. 210

Strong-Drive
Self-Drilling X Metal Screw



5⁄16" hex head, Quik Guard and clear zinc coating, p. 92; collated*, p. 211

*Collated for the Quik Drive® system

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Truss-Ply Fastening Applications

Screws

Strong-Drive® SDW **TRUSS-PLY** Screw

Multi-ply fastening washer head with nibs. E-coat® coating, p. 83

Strong-Drive WSNTL **SUBFLOOR** Screw

Twin thread, Quik Guard® coating, collated*, p. 202

Strong-Drive WSV **SUBFLOOR** Screw

Wood-to-wood applications, yellow zinc coating, collated*, p. 200

Strong-Drive SDW **EWP-PLY** Screw

Washer head with nibs, E-coat coating, p. 82

Drywall and Exterior Gypsum Sheathing Applications

Screws

DWC Drywall Screw

Drywall to wood, gray phosphate, N2000® coating, p. 203

DWF Drywall-to-CFS Screw

Drywall to steel, gray phosphate coating (33, 27, 18 mil / 20, 22, 25 ga.), p. 214

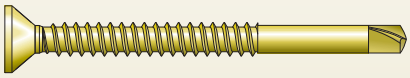
DWHL Drywall Screw

High-low threads, gray phosphate coating, p. 204

DWFSD Drywall-to-CFS Screw

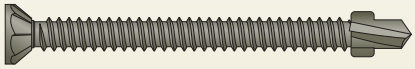
Drywall to CFS, Quik Guard and yellow zinc coating, p. 214

Strong-Drive PPSD **SHEATHING-TO-CFS** Screw



Wood-to-steel applications, #2 drill point, Quik Guard or yellow zinc coating, p. 94; collated*, p. 209

CBSDQ Sheathing-to-CFS Screw



Sheathing to cold-formed steel, Quik Guard coating, collated*, p. 213

*Collated for the Quik Drive® system

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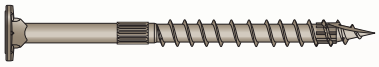
Crating

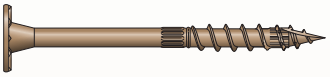
Screws

Strong-Drive®
SDWS **FRAMING** Screw



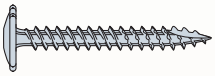
Washer head with box nibs, Quik Guard® coating, p. 52

Strong-Drive
SDWS **TIMBER** Screw



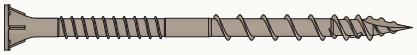
Washer head with nibs, double-barrier coating, p. 53

Wafer-Head Screw



Clear zinc coating, p. 87

Deck-Drive™
DSV **WOOD** Screw



Rimmed flat head with nibs, Quik Guard coating, p. 65; collated*, p. 190

WSC
Wood Screw

Wood-to-wood applications, yellow zinc coating, coarse thread, collated*, p. 206

DWC
Drywall Screw

Drywall to wood, gray phosphate, N2000® coating, collated*, p. 203

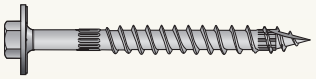
Strong-Drive
WSV **SUBFLOOR** Screw

Wood-to-wood applications, yellow zinc coating, collated*, p. 200

WSHL
Subfloor Screw

Wood-to-wood applications, gray phosphate coating, high-low threads, collated*, p. 203

Strong-Drive
SDWH **TIMBER-HEX HDG** Screw



Hex-washer head with nibs, Class C, hot-dip galvanized, p. 57

Strong-Drive
SDWH **TIMBER-HEX** Screw

Hex-washer head with nibs, double-barrier coating, p. 55

*Collated for the Quik Drive® system

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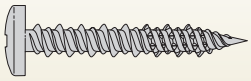
Boat Building / Marine Trade

Screws

Marine Screw – Flat Head

Type 316 stainless steel, p. 73

Marine Screw – Pan Head



Type 316 stainless steel, p. 73

Nails

Roofing – Annular Ring Shank

Type 316 stainless steel, p. 123

Finishing Nail

Type 316 stainless steel, p. 117

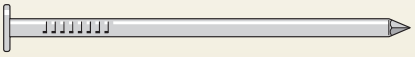
Premium Common Nail

Type 316 stainless steel, passivated, p. 110

Common Nail – Annular Ring Shank

Types 316 and 304 stainless steel, silicon bronze, p. 114

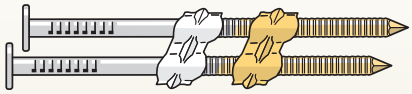
Common Nail – Smooth Shank



Types 316 and 304 stainless steel, p. 115

Collated Nails

20°–22° Plastic Strip, Full Round Head, Smooth-Shank Nail

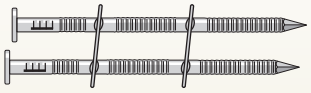


Types 316 and 304 stainless steel, p. 144

15° Wire Coil, Full Round Head, Roofing Nail

Types 316 and 304 stainless steel, p. 137

15° Wire Coil, Full Round Head, Ring-Shank Nail



Types 316 and 304 stainless steel, p. 139

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Make overhead connections with both feet on the ground.

Screws

Exterior Screws
Strong-Drive® SDWS FRAMING Screw 52
Strong-Drive® SDWS TIMBER Screw 53
Strong-Drive® SDWS TIMBER SS Screw 54
Strong-Drive® SDWH TIMBER-HEX Screw 55
Strong-Drive® SDWH TIMBER-HEX SS Screw 56
Strong-Drive® SDWH TIMBER-HEX HDG Screw 57
Outdoor Accents® Structural Wood Screw 58
Outdoor Accents® Hex-Head Washer 58
Outdoor Accents® Connector Screw 59
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SIMPSON Strong-Tie®

Strong-Drive® SDWS FRAMING Screw

Multipurpose Wood and Engineered Wood Including Framing, Indoor/Outdoor Projects

The SDWS Framing screw is designed and load-rated for replacing 16d, 10d and 8d nails in framing applications. The SDWS Framing screw is 0.160" in diameter and superior to nails in holding power and pull-out resistance. It is code listed under IAPMO-UES ER-192 and meets 2015 and 2018 IRC® and IBC® code requirements for several common wood framing applications.

The screw has a SawTooth™ point that makes for fast installations with reduced torque without predrilling, and its specially-designed head countersinks easily to provide a clean, flush finish. The T-25 bit holds the 6-lobe recess tightly, reducing cam-out and head stripping.

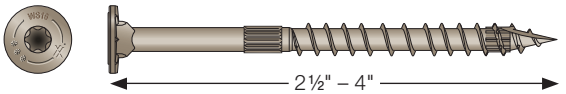
Features:

- Large washer head with underhead box-nibs provides increased bearing in structural applications and provides clean and easy countersinking (0.44" head dia.)
- SawTooth point ensures fast starts, reduces installation torque and eliminates the need for predrilling in most applications
- The 6-lobe drive provides positive bit engagement resulting in easier installations and longer bit life
- Quik Guard® coating provides protection in indoor and outdoor applications

Codes/Standards: IAPMO-UES ER-192, State of Florida FL13975

For Technical Data and Loads, see Technical Supplement

US Patent 9,523,383



Quik Guard® Coating

Nominal Screw Length (in.)	Shank Diameter (in.)	Thread Length (in.)	Retail Pack			Mini-Bulk			Bulk	
			Fasteners per Pack	Packs per Master Carton	Model No.	Fasteners per Pack	Packs per Master Carton	Model No.	Fasteners per Pack	Model No.
2½	0.160	1.125	75	12	SDWS16212QR75	250	4	SDWS16212QMB	1,000	SDWS16212Q
3	0.160	1.625	75	12	SDWS16300QR75	250	4	SDWS16300QMB	1,000	SDWS16300Q

Replacement driver bit: BIT25T-2.

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SIMPSON Strong-Tie®

Strong-Drive® SDWS TIMBER Screw

Structural Wood and Engineered Wood Connections Including Ledgers

Designed to provide an easy-to-install, high-strength alternative to through-bolting and traditional lag screws. Strong-Drive SDWS Timber screws are ideal for the contractor and do-it-yourselfer alike. It is code listed under IAPMO-UES ER-192 and meets 2015 and 2018 IRC® and IBC® code requirements for several common wood framing applications.

Features:

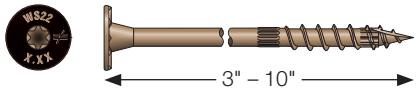
- Bold thread design provides superior holding power
- SawTooth™ point ensures fast starts, reduces installation torque and eliminates the need for predrilling in most applications
- Underhead nibs offer greater control when seating the head
- Large washer head provides maximum bearing area (0.75" head dia.)
- Size identification on all SDWS screw heads
- 6-lobe, T40 drive provides positive engagement that makes the screw easy to drive and improves bit life (replacement driver bit — BIT40T-134-RC3)

Double-barrier coating provides corrosion resistance equivalent to hot-dip galvanization, making it suitable for certain exterior and preservative-treated wood applications, as described in the evaluation report.

Codes/Standards: IAPMO-UES ER-192, State of Florida FL13975, City of Los Angeles RR25906

For Technical Data and Loads, see Technical Supplement

US Patent 9,523,383



Double-Barrier Coating

Size Dia. x L (in.)	Thread Length (in.)	Flagged Fasteners		Retail Clam		Retail Pack		Mini-Bulk		Bulk	
		Fast. per Pack	Model No.	Fast. per Pack	Model No.	Fast. per Pack	Model No.	Fast. per Pack	Model No.	Fast. per Pack	Model No.
0.220 x 3	1½	1	SDWS22300DB-RP1	12	SDWS22300DB-RC12	50	SDWS22300DB-R50	250	SDWS22300DBMB	950	SDWS22300DB
0.220 x 4	2⅜	1	SDWS22400DB-RP1	12	SDWS22400DB-RC12	50	SDWS22400DB-R50	250	SDWS22400DBMB	600	SDWS22400DB
0.220 x 5	2¾	1	SDWS22500DB-RP1	12	SDWS22500DB-RC12	50	SDWS22500DB-R50	250	SDWS22500DBMB	600	SDWS22500DB
0.220 x 6	2¾	1	SDWS22600DB-RP1	12	SDWS22600DB-RC12	50	SDWS22600DB-R50	250	SDWS22600DBMB	500	SDWS22600DB
0.220 x 8	2¾	1	SDWS22800DB-RP1	12	SDWS22800DB-RC12	50	SDWS22800DB-R50	250	SDWS22800DBMB	400	SDWS22800DB
0.220 x 10	2¾	1	SDWS221000DB-RP1	12	SDWS221000DBRC12	50	SDWS221000DB-R50	—	—	250	SDWS221000DB

Retail and mini-bulk packs include one, 6-lobe, T-40 driver bit; bulk packs include two driver bits (BIT40T-134-RC3).
Flagged fasteners per master carton: 40; retail clam packs per master carton: 10; retail pack packs per master carton: 6.

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SIMPSON Strong-Tie®

Screws

Strong-Drive® SDWS TIMBER SS Screw

Structural Wood and Engineered Wood Connections Including Docks, Piers and Boardwalks

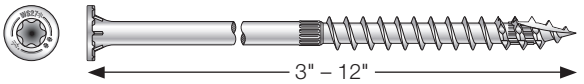
The SDWS Timber SS screw is a 0.276"-diameter Type 316 stainless-steel fastener suitable for marine and coastal applications where severe-corrosion resistance is a necessity. The SDWS Timber SS screw has a SawTooth™ point and flat washer head that make it the ideal choice for use on docks, wharves, piers, boardwalks and ledgers.

Features:

- 0.276" shank diameter for heavy-duty structural applicatons
- SawTooth™ point design for fast starts and no predrilling
- Ideal replacement for spikes, lag bolts and lag screws
- No predrilling, no counterboring required for most applications
- Large flat head with nibs can drive flush to surface — no protrusions
- Large, deep T50 6-lobe recess for a secure drive (replacement driver bit — BIT50T-125-RC1)

Codes/Standards: N/A

US Patent 9,523,383



Type 316 Stainless Steel

Size Dia. x L (in.)	Thread Length (in.)	Flagged Fasteners		Retail Clamshell		Carton		Bucket	
		Fast. per Pack	Model No.	Fast per Pack	Model No.	Fast. per Pack	Model No.	Fast. per Pack	Model No.
0.276 x 3	2	1	SDWS27300SS-RP1	10	SDWS27300SS-RC10	30	SDWS27300SS-R30	—	—
0.276 x 4	3	1	SDWS27400SS-RP1	10	SDWS27400SS-RC10	30	SDWS27400SS-R30	350	SDWS27400SS
0.276 x 5	3	1	SDWS27500SS-RP1	10	SDWS27500SS-RC10	30	SDWS27500SS-R30	300	SDWS27500SS
0.276 x 6	3	1	SDWS27600SS-RP1	10	SDWS27600SS-RC10	30	SDWS27600SS-R30	300	SDWS27600SS
0.276 x 8	3	1	SDWS27800SS-RP1	10	SDWS27800SS-RC10	30	SDWS27800SS-R30	200	SDWS27800SS
0.276 x 10	3	1	SDWS271000SS-RP1	10	SDWS271000SSRC10	30	SDWS271000SS-R30	—	—
0.276 x 12	3	1	SDWS271200SS-RP1	—	—	30	SDWS271200SS-R30	—	—

Flagged fasteners per master carton: 40.

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Strong-Drive®
SDWH TIMBER-HEX Screw

Structural Wood and Engineered Wood Connections Including Ledgers

Ideal for structural: and general-purpose fastening applications where a hex-head drive is preferred. Strong-Drive SDWH Timber-Hex screws are ideal for the contractor and do-it-yourselfer alike. It is code listed under IAPMO-UES ER-192 and meets 2015 and 2018 IRC® and IBC® code requirements for several common wood framing applications.

Features:

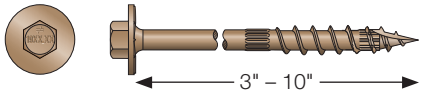
- Bold thread design provides superior holding power
- SawTooth™ point ensures fast starts, reduces installation torque and eliminates the need for predrilling in most applications
- Underhead nibs offer greater control when seating the head
- Large washer head provides maximum bearing area (0.64" washer head dia.)
- Size identification on all SDWH screw heads
- 5⁄16" hex drive (replacement driver bit — BITHEXR516-134)

Double-barrier coating provides corrosion resistance equivalent to hot-dip galvanization, making it suitable for certain exterior and preservative-treated wood applications, as described in the evaluation report.

Codes/Standards: IAPMO-UES ER-192, State of Florida FL13975

For Technical Data and Loads, see Technical Supplement

US Patent 9,523,383



Double-Barrier Coating

Size Dia. x L (in.)	Thread Length (in.)	Flagged Fasteners		Retail Clam		Retail Pack		Mini-bulk		Bulk	
		Fast. per Pack	Model No.	Fast. per Pack	Model No.	Fast. per Pack	Model No.	Fast. per Pack	Model No.	Fast. per Pack	Model No.
0.195 x 3	1½	1	SDWH19300DB-RP1	12	SDWH19300DB-RC12	50	SDWH19300DB-R50	250	SDWH19300DBMB	1,000	SDWH19300DB
0.195 x 4	2⅜	1	SDWH19400DB-RP1	12	SDWH19400DB-RC12	50	SDWH19400DB-R50	250	SDWH19400DBMB	800	SDWH19400DB
0.195 x 6	2¾	1	SDWH19600DB-RP1	12	SDWH19600DB-RC12	50	SDWH19600DB-R50	250	SDWH19600DBMB	600	SDWH19600DB
0.195 x 8	2¾	1	SDWH19800DB-RP1	12	SDWH19800DB-RC12	50	SDWH19800DB-R50	250	SDWH19800DBMB	500	SDWH19800DB
0.195 x 10	2¾	1	SDWH191000DB-RP1	12	SDWH191000DBRC12	50	SDWH191000DB-R50	250	—	250	SDWH191000DB

Retail and mini-bulk packs include one 5⁄16" hex driver bit; bulk packs include two driver bits.
Flagged fasteners per master carton: 40; retail clam packs per master carton: 10; retail pack packs per master carton: 6.

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SIMPSON Strong-Tie®

Screws

Strong-Drive®
SDWH TIMBER-HEX SS Screw

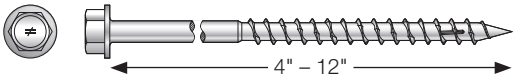
Structural Wood and Engineered Wood Connections Including Ledgers

Stainless-steel structural fasteners designed for lag-screw replacement. These 0.188" and 0.276" diameter hex-head fasteners require no predrilling, making them easier and faster to install than typical lag screws. It meets 2015 and 2018 IRC® and IBC® code requirements for several common wood framing applications.

Features:

- Type 316 stainless steel for maximum corrosion protection
- No predrilling necessary in most applications
- Driver bit included (replacement driver bit — BITHEXR516-134 or BITHEXR12-134)
- Can be used in ledger applications
- Unique "box" thread design with raised-ridge technology significantly reduces driving torque and installation time
- Hex-washer head provides large bearing area

For Technical Data and Loads, see Technical Supplement



Type 316 Stainless Steel

Size Dia. x L (in.)	Hex Drive (in.)	Hex Washer Dia. (in.)	Thread Length (in.)	Flagged Fasteners		Package		Bucket	
				Fast. per Pack	Model No.	Fast. per Pack	Model No.	Fast. per Bucket	Model No.
0.188 x 4	5/16	0.45	2.40	—	—	20	SDWH19400SS-R20	100	SDWH19400SS-R100
0.188 x 4½	5/16	0.45	2.75	—	—	10	SDWH19450SS-R10	100	SDWH19450SS-R100
0.188 x 5	5/16	0.45	2.40	—	—	10	SDWH19500SS-R10	100	SDWH19500SS-R100
0.188 x 6	5/16	0.45	2.40	—	—	10	SDWH19600SS-R10	100	SDWH19600SS-R100
0.188 x 8	5/16	0.45	2.40	—	—	10	SDWH19800SS-R10	50	SDWH19800SS-R50
0.276 x 3	½	0.66	2.95	1	SDWH27300SS-RP1	10	SDWH27300SS-R10	100	SDWH27300SS-R100
0.276 x 4	½	0.66	2.95	1	SDWH27400SS-RP1	10	SDWH27400SS-R10	100	SDWH27400SS-R100
0.276 x 5	½	0.66	2.95	1	SDWH27500SS-RP1	10	SDWH27500SS-R10	50	SDWH27500SS-R50
0.276 x 6	½	0.66	2.95	1	SDWH27600SS-RP1	10	SDWH27600SS-R10	50	SDWH27600SS-R50
0.276 x 8	½	0.66	2.95	1	SDWH27800SS-RP1	10	SDWH27800SS-R10	25	SDWH27800SS-R25
0.276 x 10	½	0.66	2.95	1	SDWH271000SS-RP1	5	SDWH271000SS-R5	25	SDWH271000SS-R25
0.276 x 12	½	0.66	2.95	—	—	5	SDWH271200SS-R5	25	SDWH271200SS-R25

4" flagged fasteners per master carton: 40; 6" flagged fasteners per master carton: 35; 8"–12" flagged fasteners per master carton: 25.

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SIMPSON Strong-Tie®

Strong-Drive®
SDWH TIMBER-HEX HDG Screw

Structural Wood and Engineered Wood Including Ledgers

The SDWH Timber-Hex HDG screw is a 0.276"-diameter hot-dip galvanized screw suitable for marine and coastal applications. The SDWH Timber-Hex HDG screw has a SawTooth™ point and oversized integral washer that makes for fast installations; no predrilling or separate washer needed. Speed up your next pile job by replacing ¾" and ⅝" HDG bolt/washer/nut assemblies (two screws for one bolt in many conditions) with the Strong-Drive SDWH Timber-Hex HDG screw. It is code listed under IAPMO-UES ER-192 and meets 2015 and 2018 IRC® and IBC® code requirements for several common wood framing applications.

Features:

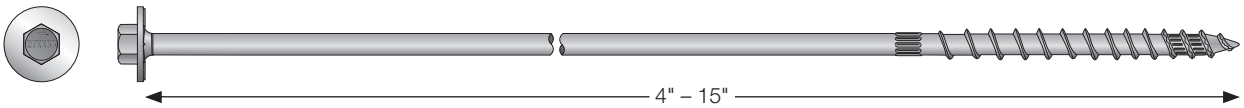
- 0.276" shank diameter for heavy-duty structural applications
- ASTM A153 Class-C hot-dip galvanized coating suitable for coastal and marine environments
- SawTooth™ point design for fast starts and no predrilling
- Oversized 0.93"-diameter integral washer eliminates the need for a separate washer
- ⅜" hex drive for secure driving (replacement driver bit — BITHEXR38-134)

Codes/Standards: IAPMO-UES ER-192*, City of Los Angeles RR25906, State of Florida FL13975

For Technical Data and Loads, see Technical Supplement

Install Tips: For best results, use a minimum of ½" low-speed corded drill to install

US Patent 9,523,383



Class C, Hot Dip Galvanized

Size Dia. x L (in.)	Hex Drive (in.)	Thread Length (in.)	Flagged Fasteners		Retail		Mini-Bulk		Bucket	
			Fast. per Pack	Model No.	Fast. per Pack	Model No.	Fast. per Pack	Model No.	Fast. per Pack	Model No.
0.276 x 4	⅜	3	1	SDWH27400G-RP1	30	SDWH27400GR30	150	SDWH27400GMB	350	SDWH27400G
0.276 x 6	⅜	3	1	SDWH27600G-RP1	30	SDWH27600GR30	150	SDWH27600GMB	300	SDWH27600G
0.276 x 8	⅜	3	1	SDWH27800G-RP1	30	SDWH27800GR30	150	SDWH27800GMB	—	—
0.276 x 10	⅜	3	1	SDWH271000G-RP1	30	SDWH271000GR30	150	SDWH271000GMB	—	—
0.276 x 12	⅜	3	1	SDWH271200G-RP1	30	SDWH271200GR30	150	SDWH271200GMB	—	—
0.276 x 15	⅜	3	1	SDWH271500G-RP1	—	—	100	SDWH271500GMB	—	—

*15" SDWH Timber-Hex HDG screw is not listed in IAPMO-UES ER-192.

4" flagged fasteners per master carton: 40; 6" flagged fasteners per master carton: 35; 8"–15" flagged fasteners per master carton: 25.

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Outdoor Accents® Decorative Hardware

Outdoor Accents® decorative hardware features connectors and fasteners for building custom outdoor living structures that are beautiful and structurally strong. The line includes post bases, angles, T and L ties and fasteners.

Outdoor Accents Structural Wood Screw

The Outdoor Accents structural wood screw reduces installation time by driving easily without predrilling. When combined with the patented, load-rated Outdoor Accents hex-head washer, the solution delivers the decorative appearance of a bolted connection but with a much easier installation. The screw's bold thread design enables superior holding to attach ledgers and other secure connections.

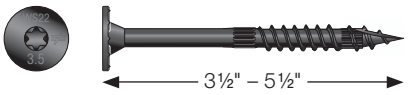
Features:

- Use with Outdoor Accents decorative hardware and hex-head washer for an appealing look
- Use Outdoor Accents structural wood screw primarily as a wood-to-wood fastener
- SawTooth™ point ensures fast starts, reduces installation torque and eliminates the need for predrilling in most applications
- Black double-barrier coating offers premium look while providing a medium level of corrosion protection for many outdoor applications

Codes/Standards: IAPMO-UES ER-192, State of Florida FL13975

For Technical Data and Loads, see Technical Supplement

Install Tips: For best results, use a minimum of ½" low-speed corded drill to install



Black Double-Barrier Coating

Size Dia. x L (in.)	Thread Length (in.)	Individually Flagged		Retail Clamshell			Retail Pack		
		Fasteners per Pack	Model No.	Fasteners per Pack	Packs per Master Carton	Model No.	Fasteners per Pack	Packs per Master Carton	Model No.
0.220 x 3½	2	1	SDWS22312DBB-RN1	12	10	SDWS22312DBBRC12	50	6	SDWS22312DBB-R50
0.220 x 5½	2¾	1	SDWS22512DBB-RN1	12	10	SDWS22512DBBRC12	50	6	SDWS22512DBB-R50

Individually flagged units include the STN22 hex-head washer.
T40 6-lobe bit replacement uses BIT40T-134-RC3.
3½" and 5½" master carton quantities: 20

Outdoor Accents Hex-Head Washer

The Outdoor Accents patented hex-head washer provides the decorative appearance of a bolted connection. Its design provides an easier and significantly faster installation time compared to through-bolting. The hex-head washer is code listed (IAPMO-UES ER-192) and is designed exclusively to fasten Outdoor Accents post bases, T, L straps, angles, gable plates and heavy joist hangers.

Features:

- Combined with the Outdoor Accents structural wood screw, it provides a structural load-rated solution
- Easy to install
- Black exterior coating

Codes/Standards: IAPMO-UES ER-192, State of Florida FL13975 (STN)

For Technical Data and Loads, see Technical Supplement

US Patents 10,253,801 and D733,546

SDWS22312DBB (sold separately) with STN22 Hex-Head Washer

Black Coating

Hex-Head Washer Dia. (in.)	Retail Pack Quantity	Master Carton Quantity	Model No.
1½	8	10	STN22-R8
1½	24	6	STN22-R24

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Outdoor Accents® Connector Screw

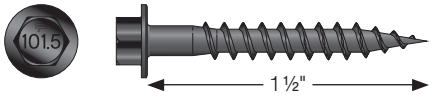
The Outdoor Accents connector screw reduces installation time by driving easily without predrilling. Designed for installation with the Outdoor Accents APA21 90° angle and APLH light joist hangers, the screw's black finish accents any outdoor living project. The sharp point of the screw enables fast starts.

Features:

- Use with Outdoor Accents decorative hardware for an appealing look
- Black double-barrier coating provides premium look while providing a medium level of corrosion protection for many outdoor applications
- ¼" hex head for secure driving and easier installation

Codes/Standards: ICC-ES ESR-3046, State of Florida FL9589

For Technical Data and Loads, see Technical Supplement



Black Double-Barrier Coating

Size	Length (in.)	Retail Pack Quantity	Master Carton Quantity	Model No.
#10	1½	50	5	SD10112DBBR50

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SIMPSON Strong-Tie®

Screws

Strong-Drive® SDS HEAVY-DUTY CONNECTOR Screw

Heavy-Duty Simpson Strong-Tie® Connectors

A ¼"-diameter high-strength structural wood screw ideal for various connector installations as well as wood-to-wood and engineered-wood applications.

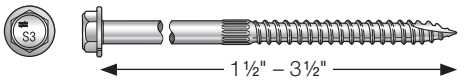
Features:

- Type-17 point enables easy driving with no predrilling
- Available with a double-barrier coating and Type 316 stainless steel
- ⅜" hex head with 0.48" integrated washer
- Head is stamped with the Simpson Strong-Tie "≠" sign and fastener length for easy identification after installation
- Replacement driver bit — BITHEXR38-134

Install Tips: A low-speed ½" drill with a ⅜" hex driver is the recommended tool for installation.

Codes/Standards: ICC-ES ESR-3046, City of L.A. RR25711, State of Florida FL9589

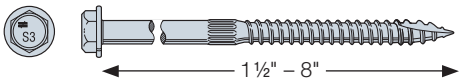
For Technical Data and Loads, see Technical Supplement



Type 316 Stainless Steel

Size (in.)	Thread Length (in.)	Retail Pack		Bulk	
		Fasteners Per Pack	Model No.	Fasteners Per Pack	Model No.
¼ x 1½	1	25	SDS25112SS-R25	1,500	SDS25112SS
¼ x 2	1¼	25	SDS25200SS-R25	1,300	SDS25200SS
¼ x 2½	1½	25	SDS25212SS-R25	1,100	SDS25212SS
¼ x 3	2	25	SDS25300SS-R25	950	SDS25300SS
¼ x 3½	2¼	25	SDS25312SS-R25	900	SDS25312SS
		25	SDS25312SS-R25L*	—	—

* Packaged in a ledger-specific box with ⅜" hex-driver bit.



Double-Barrier Coating

Size (in.)	Thread Length (in.)	Retail Pack		Mini Bulk		Bulk	
		Fasteners Per Pack	Model No.	Fasteners Per Pack	Model No.	Fasteners Per Pack	Model No.
¼ x 1½	1	25	SDS25112-R25	300	SDS25112MB	1,500	SDS25112
¼ x 2	1¼	25	SDS25200-R25	250	SDS25200MB	1,300	SDS25200
¼ x 2½	1½	25	SDS25212-R25	200	SDS25212MB	1,100	SDS25212
¼ x 3	2	25	SDS25300-R25	150	SDS25300MB	950	SDS25300
¼ x 3½	2¼	10	SDS25312-R10	125	SDS25312MB	900	SDS25312
		25	SDS25312-R25L*	—	—	—	—
¼ x 4½	2¾	10	SDS25412-R10	100	SDS25412MB	800	SDS25412
¼ x 5	2¾	10	SDS25500-R10	100	SDS25500MB	500	SDS25500
		25	SDS25500-R25L*	—	—	—	—
¼ x 6	3¼	10	SDS25600-R10	100	SDS25600MB	600	SDS25600
¼ x 8	3¼	10	SDS25800-R10	—	—	—	—
		50	SDS25800-R50	—	—	400	SDS25800

* Packaged in a ledger-specific box with ⅜" hex-driver bit.

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Strong-Drive® SD CONNECTOR Screw

Simpson Strong-Tie® Connectors

The Strong-Drive SD Connector screw is specifically designed to replace nails in certain Simpson Strong-Tie connectors, and is the only screw approved for that application. The load-rated SD screw has been tested and approved for use in many popular Simpson Strong-Tie products. In certain applications screws are easier and more convenient to install than nails, and the single-fastener load values achieved by the SD screw exceed those of typical 10d common or 16d common nails. In addition, the galvanized coating makes the SD screw ideal for both interior and most exterior conditions.

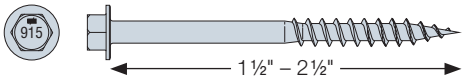
Features:

- Specifically designed to replace nails in certain Simpson Strong-Tie connectors, and is the only screw approved for that application. The #9 and #10 SD screws replace 10d and 16d nails, respectively.
- Tested and approved for use in many of our most popular connectors for both interior and exterior applications.
- Ideal for use in connector applications where more control is desired or using a hammer is inconvenient.
- ¼" hex head with 0.37"-dia. integrated washer is stamped with the Simpson Strong-Tie "≠" sign and the fastener size for easy identification after installation.
- Shank is specifically designed to match the fastener holes in Simpson Strong-Tie connectors.
- Optimized heat treating for ductility and strength.
- The single-fastener load capacity of the SD9 exceeds the capacity of a 10d common nail, while the single-fastener load capacity of the SD10 exceeds that of the 16d common nail.
- Hex driver bit included.

Mechanically-galvanized coating meets ASTM B695 Class 55, is recommended for use with certain preservative-treated woods and recognized as an alternate to hot-dip galvanized in ESR-3046; it is compliant with the 2015 and 2018 International Residential Code®.

Codes/Standards: ICC-ES ESR-3046, State of Florida FL9589

For Technical Data and Loads, see Technical Supplement



Mechanically-Galvanized Coating – Class 55

Size	Length (in.)	Retail Pack			Contractor Pack			Mini Bulk	
		Fasteners Per Pack	Packs Per Master Carton	Model No.	Fasteners Per Pack	Packs Per Master Carton	Model No.	Fasteners Per Pack	Model No.
#9	1½	100	10	SD9112R100	500	3	SD9112R500	3,000	SD9112MB
#9	2½	100	6	SD9212R100-R	500	2	SD9212R500	2,000	SD9212MB
#10	1½	100	10	SD10112R100	500	3	SD10112R500	3,000	SD10112MB
#10	2½	100	6	SD10212R100-R	500	2	SD10212R500	2,000	SD10212MB

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SIMPSON Strong-Tie®

Strong-Drive® DWP WOOD SS Screw

Decking, Docks and Boardwalks; Load-rated General Exterior Applications

The Strong-Drive DWP Wood SS screw is a powerful, load-rated fastening solution for deck, dock and general exterior applications where extra corrosion protection and load specifications are required. The #12 and #14 Strong-Drive DWP Wood SS flat-head screws are structural fasteners that have been tested in accordance with ICC-ES acceptance criteria AC233 and are load rated for shear, pull-through and withdrawal resistance. With its specially designed sharp-point and unique box-threads, the DWP WOOD SS is a great solution for exterior structural connections, such as on docks, boardwalks and decks near water or where they will be exposed to high or severe corrosion. Choose Type 316 stainless steel for seaside and coastal environments.

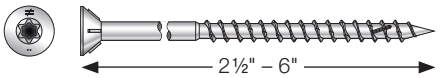
Features:

- Unique "box" thread design with raised-ridge technology greatly reduces driving torque, which allows you to drive more screws on a single battery charge
- Specially designed sharp point penetrates hard wood products with ease
- Use with wood, engineered wood and polymer materials
- 6-lobe drive provides a secure bit fit resulting in an easy drive and long bit life
- Choose Type 316 stainless steel for seaside applications

For Technical Data and Loads, see Technical Supplement

Flat Head

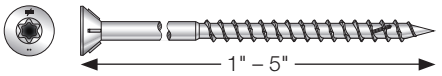
Type 316 Stainless Steel



Size	Length (in.)	Head Dia. (in.)	Bit Size	Apporx. Count per lb.	1 lb. Model No.	5 lb. Model No.	Deck Pack		Bucket	
							Count	Model No.	Count	Model No.
#12	2½	0.44	T27	56	T12250WP1	T12250WP5	—	—	1,750	T12250WPB
#12	3	0.44	T27	48	T12300WP1	T12300WP5	—	—	1,500	T12300WPB
#12	3½	0.44	T27	42	T12350WP1	T12350WP5	—	—	1,000	T12350WPB
#12	4	0.44	T27	36	T12400WP1	T12400WP5	100	T12400WPP	750	T12400WPB
#12	4½	0.44	T27	32	T12450WP1	T12450WP5	—	—	750	T12450WPB
#12	5	0.44	T27	29	T12500WP1	T12500WP5	—	—	500	T12500WPB
#12	6	0.44	T27	24	T12600WP1	T12600WP5	—	—	600	T12600WPB
#14	3	0.46	T27	36	T14300WP1	T14300WP5	—	—	1,000	T14300WPB
#14	3½	0.46	T27	33	T14350WP1	T14350WP5	—	—	750	T14350WPB
#14	4	0.46	T27	26	—	T14400WP5	100	T14400WPP	700	T14400WPB
#14	5	0.46	T27	21	T14500WP1	T14500WP5	—	—	500	T14500WPB
#14	6	0.46	T27	18	T14600WP1	T14600WP5	—	—	500	T14600WPB

Flat Head

Type 305 Stainless Steel



Size	Length (in.)	Head Dia. (in.)	Bit Size	Apporx. Count per lb.	1 lb. Model No.	5 lb. Model No.	Deck Pack		Bucket	
							Count	Model No.	Count	Model No.
#12	2½	0.44	T27	56	—	S12250WP5	—	—	1,750	S12250WPB
#12	3	0.44	T27	48	S12300WP1	S12300WP5	—	—	1,500	S12300WPB
#12	3½	0.44	T27	42	S12350WP1	S12350WP5	—	—	1,000	S12350WPB
#12	4	0.44	T27	36	S12400WP1	S12400WP5	100	S12400WPP	800	S12400WPB
#12	4½	0.44	T27	32	S12450WP1	S12450WP5	—	—	750	S12450WPB
#12	5	0.44	T27	29	S12500WP1	S12500WP5	—	—	500	S12500WPB
#14	4	0.46	T27	26	—	S14400WP5	—	—	700	S14400WPB

6-lobe bit replacements: T27 uses BIT27T-2.

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SIMPSON Strong-Tie®

Deck·Drive™ DWP WOOD SS Screw

Decking, Docks and Boardwalks; Finishing, Millwork and Trim

The Deck-Drive DWP Wood SS screw is a powerful fastening solution for deck, dock and general exterior applications where extra corrosion protection is needed. With its specially-designed sharp-point and unique box-threads, the DWP is ideally suited for the majority of wood used in today's deck boards. Choose Type 316 stainless steel for seaside and coastal environments. Available in hand-drive and in collated strips for use in our Quik Drive® auto-feed screw driving system.

Features:

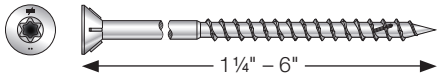
- Unique "box" thread design with raised-ridge technology greatly reduces driving torque, which allows you to drive more screws on a single battery charge
- Specially designed sharp point penetrates hard wood products with ease
- Use with wood, engineered wood and polymer materials
- 6-lobe drive offers a secure bit fit resulting an easy drive and long bit life
- Choose Type 316 stainless steel for seaside applications
- For load-rated DWP Wood SS screws, please refer to the Strong-Drive® DWP Wood SS screw product page, p. 62

This screw is also available collated for the Quik Drive system. See p. 191 for details.

For Technical Data and Loads, see Technical Supplement

Flat Head

Type 316 Stainless Steel

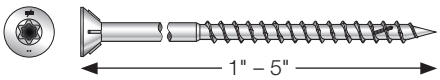


Size	Length (in.)	Head Diameter (in.)	Bit Size	Approx. Count Per lb.	1 lb. Model No.	5 lb. Model No.	Deck Pack		Bulk Bucket	
							Count	Model No.	Count	Model No.
#8	1¼	0.34	T20	176	T08125WP1	T08125WP5	—	—	5,000	T08125WPB
#8	1⅝	0.34	T20	150	T08162WP1	—	350	T08162WPP	4,000	T08162WPB
#8	2	0.34	T20	128	T08200WP1	T08200WP5	350	T08200WPP	3,000	T08200WPB
#8	2½	0.34	T20	102	T08250WPF1	T08250WPF5	—	—	1,750	T08250WPFB
#8	3	0.34	T20	82	T08300WPF1	T08300WPF5	—	—	1,750	T08300WPFB
#10	2	0.34	T25	96	T10200WP1	T10200WP5	—	—	2,500	T10200WPB
#10	2½	0.34	T25	82	T10250WP1	T10250WP5	350	T10250WPP	1,750	T10250WPB
#10	3	0.34	T25	68	T10300WP1	T10300WP5	350	T10300WPP	1,750	T10300WPB
#10	3½	0.34	T25	56	T10350WP1	—	250	T10350WPP	1,000	T10350WPB
#10	4½	0.34	T25	43	—	—	—	—	1,000	T10450WPCM

6-lobe bit replacements: T20 uses BIT20T-2; T25 uses BIT25T-2; T27 uses BIT27T-2.

Flat Head

Type 305 Stainless Steel



Size	Length (in.)	Head Diameter (in.)	Bit Size	Approx. Count Per lb.	1 lb. Model No.	5 lb. Model No.	Deck Pack		Bulk Bucket	
							Count	Model No.	Count	Model No.
#8	1¼	0.34	T20	176	S08125WP1	S08125WP5	—	—	5,000	S08125WPB
#8	1⅝	0.34	T20	150	S08162WP1	S08162WP5	350	S08162WPP	4,000	S08162WPB
#8	2	0.34	T20	128	S08200WP1	S08200WP5	350	S08200WPP	3,000	S08200WPB
#8	2½	0.34	T20	102	S08250WPF1	S08250WPF5	—	—	1,750	S08250WPFB
#8	3	0.34	T20	82	S08300WPF1	S08300WPF5	—	—	1,750	S08300WPFB
#10	1	0.34	T25	172	S10100WP1	S10100WP5	—	—	4,500	S10100WPB
#10	1½	0.34	T25	134	S10150WP1	S10150WP5	—	—	3,500	S10150WPB
#10	2	0.34	T25	96	S10200WP1	S10200WP5	—	—	2,500	S10200WPB
#10	2½	0.34	T25	82	S10250WP1	S10250WP5	350	S10250WPP	1,750	S10250WPB
#10	3	0.34	T25	68	S10300WP1	S10300WP5	350	S10300WPP	1,750	S10300WPB
#10	3½	0.34	T25	56	S10350WP1	S10350WP5	—	—	1,000	S10350WPB

6-lobe bit replacements: T20 uses BIT20T-2; T25 uses BIT25T-2.

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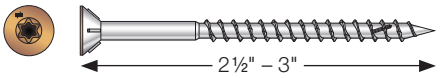
Deck·Drive™ DWP WOOD SS Screw (cont.)

Flat Head, Painted

- Painted heads blend with hardwood decking material



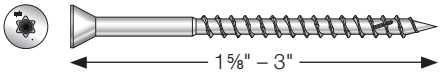
Type 305 Stainless Steel

Size	Length (in.)	Head Diameter (in.)	Bit Size	350-Count Model No.	1,750-Count Model No.	Head Color
#10	2½	0.34	T25	S10250WJI	S10250WCI	Tan 03
#10	3	0.34	T25	S10300WJI	S10300WCI	Tan 03
#10	3	0.34	T25	S10300WPPBR05	S10300WPBBR05	Brown 05
#10	3	0.34	T25	S10300WPPTN01	S10300WPBTN01	Tan 01
#10	3	0.34	T25	S10300WPPGR	S10300WPBGR	Gray

Tan 01 Tan 03 Gray Brown 05

6-lobe bit replacement: T25 uses BIT25T-2.

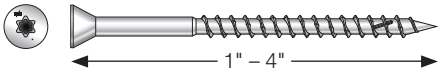
Trim Head, Unpainted



Type 316 Stainless Steel

Size	Length (in.)	Head Diameter	Bit Size	Approx. Count Per lb.	1 lb. Model No.	5 lb. Model No.	Clam Shell		350-Count Model No.	Bulk Bucket	
							Count	Model No.		Count	Model No.
#7	1⅝	0.23	T15	195	T07162WP1	T07162WP5	100	T07162FWP	T07162WPP	4,000	T07162WPB
#7	2¼	0.23	T15	138	T07225WP1	T07225WP5	86	T07225FWP	T07225WPP	1,750	T07225WPB
#7	3	0.23	T15	98	T07300WP1	T07300WP5	60	T07300FWP	T07300WPP	1,750	T07300WPB

Trim Head, Unpainted



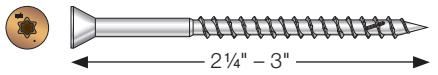
Type 305 Stainless Steel

Size	Length (in.)	Head Diameter (in.)	Bit Size	Approx. Count Per lb.	1 lb. Model No.	5 lb. Model No.	Clam Shell		350-Count Model No.	Bulk Bucket	
							Count	Model No.		Count	Model No.
#7	1	0.23	T15	303	S07100WP1	S07100WP5	—	—	—	5,000	S07100WPB
#7	1¼	0.23	T15	264	S07125WP1	S07125WP5	—	—	S07125WPP	5,000	S07125WPB
#7	1⅝	0.23	T15	195	S07162WP1	S07162WP5	135	S07162FWP	S07162WPP	4,000	S07162WPB
#7	2	0.23	T15	156	S07200WP1	S07200WP5	—	—	S07200WPP	4,000	S07200WPB
#7	2¼	0.23	T15	138	S07225WP1	S07225WP5	100	S07225FWP	S07225WPP	1,750	S07225WPB
#7	2½	0.23	T15	121	S07250WP1	S07250WP5	—	—	S07250WPP	1,750	S07250WPB
#7	3	0.23	T15	98	S07300WP1	S07300WP5	60	S07300FWP	S07300WPP	1,750	S07300WPB
#8	2½	0.25	T20	109	—	—	—	—	S08250WPP	1,750	S08250WPB
#8	3	0.25	T20	91	—	—	—	—	S08300WPP	1,750	S08300WPB
#9	3½	0.25	T20	70	S09350WP1	S09350WP5	35	S09350FWP	—	1,500	S09350WPB
#9	4	0.25	T20	61	S09400WP1	S09400WP5	—	—	—	1,000	S09400WPB

6-lobe bit replacements: T15 uses BIT15T-2; T20 uses BIT20T-2.

Trim Head, Painted

- Painted heads blend with hardwood decking material



Type 316 Stainless Steel

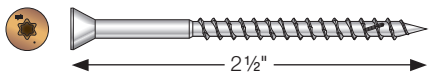
Size	Length (in.)	Head Diameter* (in.)	Bit Size	350-Count Model No.	1,750-Count Model No.
#7	2¼	0.23	T15	T07225WJI	T07225WCI
#7	3	0.23	T15	T07300WJI	T07300WCI

Tan 03

* T15 6-lobe drive (replacement bit model BIT15T-2, see p. 105 for more information).

Trim Head, Painted

- Painted heads blend with hardwood decking material



Type 305 Stainless Steel

Size	Length (in.)	Head Diameter (in.)	Bit Size	350-Count Model No.	1,750-Count Model No.
#8	2½	0.26	T20	S08250WJI	S08250WCI

Tan 03

T20 6-lobe drive replacement bit model BIT20T-2; see p. 105 for more information.

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SIMPSON Strong-Tie®

Deck-Drive™ DSV WOOD Screw

Preservative-Treated Decking, Exterior Wood and Engineered Wood Applications

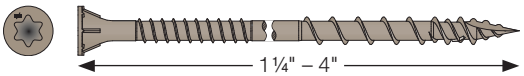
The Deck-Drive DSV Wood screw is a powerful fastening solution for preservative-treated decking applications. With its Underhead nibs and fast-start tip, the DSV is ideally suited to be driven and countersunk into today's wood deck boards. The shank is designed to withstand the swelling and shrinkage that is common with fast-growth lumber. Available in hand-drive and in collated strips for use in our Quik Drive® auto-feed screw driving system, DSV screws are also offered in a variety of sizes to fasten fascia and trim.

Features:

- Low-torque threads allow up to 35% more screws to be driven on a battery charge
- Ribbed-head design countersinks easily and provides a clean, finished appearance
- High-low tip provides fast starts
- Optimized threads for dimensional lumber
- Quik Guard® coating provides corrosion resistance for exterior and certain preservative-treated wood applications as described by ICC-ES AC257, exposure conditions 1 and 3
- Color blends with wood decking
- T-25 6-lobe driver bit included (replacement driver bit — BIT25T-2)

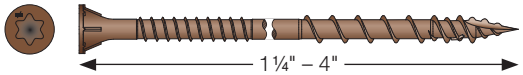
This screw is also available collated for the Quik Drive system. See p. 190 for details.

US Patent 6,074,149



Quik Guard® Coating – Tan

Size	Length (in.)	Head Dia. (in.)	Approx. Count Per Pound	1 lb. Model No.	5 lb. Model No.	350 ct. Model No.	Mini-Bulk	
							Model No.	Count
#8	1¼	0.33	194	DSVT114R1LB	DSVT114R5LB	DSVT114R350	DSVT114MB	1,750
#8	1⅝	0.33	159	DSVT158R1LB	DSVT158R5LB	DSVT158R350	DSVT158MB	1,750
#10	2	0.33	113	DSVT2R1LB	DSVT2R5LB	DSVT2R350	DSVT2MB	1,750
#10	2½	0.33	91	DSVT212R1LB	DSVT212R5LB	DSVT212R350	DSVT212MB	1,750
#10	3	0.33	76	DSVT3R1LB	DSVT3R5LB	DSVT3R350	DSVT3MB	1,750
#10	3½	0.33	66	DSVT312R1LB	DSVT312R5LB	DSVT312R350	DSVT312MB	1,000
#10	4	0.33	59	DSVT4R1LB	DSVT4R5LB	DSVT4R350	DSVT4MB	1,000



Quik Guard Coating – Red

Size	Length (in.)	Head Dia. (in.)	Approx. Count Per Pound	1 lb. Model No.	5 lb. Model No.	350 ct. Model No.	Mini-Bulk	
							Model No.	Count
#8	1¼	0.33	194	DSVR114R1LB	DSVR114R5LB	DSVR114R350	DSVR114MB	1,750
#8	1⅝	0.33	159	DSVR158R1LB	DSVR158R5LB	DSVR158R350	DSVR158MB	1,750
#10	2	0.33	113	DSVR2R1LB	DSVR2R5LB	DSVR2R350	DSVR2MB	1,750
#10	2½	0.33	91	DSVR212R1LB	DSVR212R5LB	DSVR212R350	DSVR212MB	1,750
#10	3	0.33	76	DSVR3R1LB	DSVR3R5LB	DSVR3R350	DSVR3MB	1,750
#10	3½	0.33	66	DSVR312R1LB	DSVR312R5LB	DSVR312R350	DSVR312MB	1,000
#10	4	0.33	59	DSVR4R1LB	DSVR4R5LB	DSVR4R350	DSVR4MB	1,000

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Deck-Drive™ DHPD HARDWOOD Screw

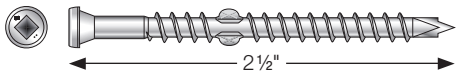
Hardwood Decking, Docks and Boardwalks

The Deck-Drive DHPD Hardwood screw is specially designed to penetrate the hardest wood and wood-based products with ease. With its unique paddle-style drill point, it virtually eliminates splitting without predrilling. The wings on the shaft counterbore hard material, allowing the head to countersink easily for a clean, finished look. Available in Type 305 stainless steel for additional corrosion protection.

Features:

- Penetrate the hardest wood products without predrilling
- Compact head ensures a low-profile installation and reduced visibility
- Wings on the shaft counter-bore hard material and allow the head to countersink for a clean look
- Driver bit included in each package
- #2 square drive (replacement bit model BIT2S-2, see p. 105 for more information)

This screw is also available collated for the Quik Drive® system. See p. 191 for details.



Type 305 Stainless Steel

Size	Length (in.)	Head Diameter (in.)	100-Count Model No.	350-Count Model No.	1,000-Count Model No.	1,750-Count Model No.
#10	2½	0.30	DHPDSS212R100	DHPDSS212R350	DHPDSS212R1000	DHPDSS212MB

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Bugle-Head Wood Screw — 6-Lobe Drive

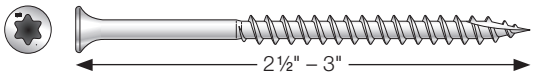
Common Application:

Fasten all types of wood decking including cedar, redwood, preservative-treated and engineered wood

Features:

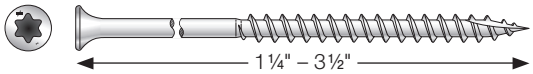
- Available in Types 316 and 305 stainless steel
- Type-17 point for fast starts
- Coarse threads on approximately ⅔ of the shank draw the decking and other material tightly to the framing
- 6-lobe drive helps prevent driver-bit cam-out, resulting in easier driving and longer bit life
- 350-count packs contain enough screws to fasten 100 sq. ft. of decking (6" nominal-width boards installed on 16" o.c. joists)
- Choose Type 316 for seaside applications and superior corrosion resistance
- Driver bit included in each package
- Predrilling recommended near board ends to prevent splitting
- #6 screws: T-15 6-lobe drive (replacement bit model BIT15T-2)
- #8 screws: T-20 6-lobe drive (replacement bit model BIT20T-2)
- #10 screws: T-25 6-lobe drive (replacement bit model BIT25T-2)
- See p. 105 for information on replacement driver bits

Type 316 Stainless Steel



Size	Length (in.)	Head Diameter (in.)	Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	350-Count Model No.	Bulk Bucket	
							Count	Model No.
#10	2½	0.34	82	T10250DT1	T10250DT5	—	2,000	T10250DTB
#10	3	0.34	68	T10300DT1	T10300DT5	—	1,500	T10300DTB

Type 305 Stainless Steel



Size	Length (in.)	Head Diameter (in.)	Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	350-Count Model No.	Bulk Bucket	
							Count	Model No.
#6	1¼	0.34	243	S06125DT1	S06125DT5	—	5,000	S06125DTB
#8	1⅝	0.34	150	S08162DT1	S08162DT5	—	4,000	S08162DTB
#8	2	0.34	128	S08200DT1	S08200DT5	—	3,000	S08200DTB
#10	2½	0.34	82	S10250DT1	S10250DT5	S10C250DTP	2,000	S10250DTB
#10	3	0.34	68	S10300DT1	S10300DT5	S10C300DTP	1,500	S10300DTB
#10	3½	0.34	56	S10350DT1	S10350DT5	—	1,000	S10350DTB

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SIMPSON Strong-Tie®

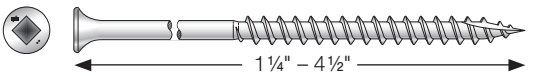
Bugle-Head Wood Screw — Square Drive

Common Application:

Fasten all types of wood decking including cedar, redwood, preservative-treated and engineered woods

Features:

- Available in Types 316 and 305 stainless steel
- Type-17 point for fast starts
- Coarse threads approximately ⅔ up the shank draw the decking and other material tightly to the substrate
- 350-count packs contain enough screws to fasten 100 sq. ft. of decking (6" nominal-width boards installed on 16" o.c. joists)
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance
- Driver bit included in each package
- Predrilling recommended near board ends to prevent splitting
- #6, #8 and #10 screws: #2 square drive (replacement bit model BIT2S-2)
- #12 and #14 screws: #3 square drive (replacement bit model BIT3S-2)
- See p. 105 for information on replacement driver bits



Type 316 Stainless Steel

Size	Length (in.)	Head Diameter (in.)	Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	Bulk Bucket	
						Count	Model No.
#8	1¼	0.34	185	T08125DB1	T08125DB5	5,000	T08125DBB
#8	1⅝	0.34	150	T08162DB1	T08162DB5	4,000	T08162DBB
#8	2	0.34	128	T08200DB1	T08200DB5	3,000	T08200DBB
#8	2½	0.34	102	T08250DB1	T08250DB5	2,000	T08250DBB
#10	2	0.34	96	T10200DB1	T10200DB5	2,500	T10200DBB
#10	2½	0.34	82	T10250DB1	T10250DB5	2,000	T10250DBB
#10	3	0.34	68	T10300DB1	T10300DB5	1,500	T10300DBB
#10	3½	0.34	56	T10350DB1	T10350DB5	1,000	T10350DBB
#12	2½	0.43	56	—	—	2,000	T12250DBB
#12	3½	0.43	42	—	—	1,000	T12350DBB
#12	4	0.43	36	—	T12400DB5	800	T12400DBB
#12	4½	0.43	32	—	—	750	T12450DBB
#14	4	0.43	26	T14400DB1	T14400DB5	700	T14400DBB

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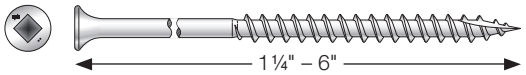
Bugle-Head Wood Screw — Square Drive (cont.)



Type 305 Stainless Steel

Size	Length (in.)	Head Diameter (in.)	Approx. Count per lb.	Clam Shell		1 lb. Model No.	5 lb. Model No.	350-Count Model No.	Bulk Bucket	
				Count	Model No.				Count	Model No.
#6	¾	0.34	352	—	—	—	—	—	10,000	S06075DBB
#6	1	0.34	295	—	—	S06100DB1	S06100DB5	—	8,000	S06100DBB
#6	1¼	0.34	243	175	S06C125DBP	S06125DB1	S06125DB5	—	5,000	S06125DBB
#6	1⅝	0.34	195	135	S06C162DBP	S06162DB1	S06162DB5	—	4,000	S06162DBB
#8	1⅛	0.34	226	—	—	S08112DB1	S08112DB5	—	5,000	S08112DBB
#8	1¼	0.34	185	—	—	S08125DB1	S08125DB5	—	5,000	S08125DBB
#8	1⅝	0.34	150	—	—	S08162DB1	S08162DB5	—	4,000	S08162DBB
#8	2	0.34	128	85	S08C200DBP	S08200DB1	S08200DB5	—	3,000	S08200DBB
#8	2¼	0.34	109	—	—	S08225DB1	S08225DB5	—	3,000	S08225DBB
#8	2½	0.34	102	—	—	S08250DB1	S08250DB5	—	2,000	S08250DBB
#8	3	0.34	82	—	—	S08300DB1	S08300DB5	—	1,500	S08300DBB
#10	1	0.34	172	—	—	S10100DB1	S10100DB5	—	4,500	S10100DBB
#10	1¼	0.34	153	—	—	S10125DB1	S10125DB5	—	4,000	S10125DBB
#10	1½	0.34	134	—	—	S10150DB1	S10150DB5	—	3,500	S10150DBB
#10	1¾	0.34	115	—	—	S10175DB1	S10175DB5	—	3,000	S10175DBB
#10	2	0.34	96	—	—	S10200DB1	S10200DB5	—	2,500	S10200DBB
#10	2¼	0.34	88	—	—	S10225DB1	S10225DB5	—	2,000	S10225DBB
#10	2½	0.34	82	50	S10C250DBP	S10250DB1	S10250DB5	S10C250PAK	2,000	S10250DBB
#10	3	0.34	68	40	S10C300DBP	S10300DB1	S10300DB5	S10C300PAK	1,500	S10300DBB
#10	3½	0.34	56	35	S10C350DBP	S10350DB1	—	—	1,000	S10350DBB
#10	3¾	0.34	54	—	—	—	—	—	1,000	S10375DBB
#12	3	0.43	48	—	—	—	—	—	1,500	S12300DBB
#12	3½	0.43	42	—	—	—	—	—	1,000	S12350DBB
#12	4	0.43	36	—	—	—	—	—	800	S12400DBB
#12	4½	0.43	32	—	—	—	—	—	750	S12450DBB
#12	5	0.43	29	—	—	—	—	—	500	S12500DBB
#12	6	0.43	24	—	—	—	S12600DB5	—	600	S12600DBB
#14	4	0.43	26	—	—	S14400DB1	S14400DB5	—	700	S14400DBB
#14	5	0.43	21	—	—	—	S14500DB5	—	500	S14500DBB

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SIMPSON Strong-Tie®

Trim-Head Screw — Square Drive

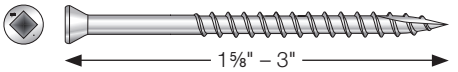
Common Application:

Fasten wood decking and some composite decking materials

Features:

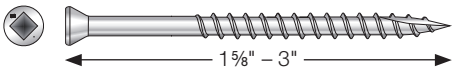
- Trim-style head is less noticeable on the decking surface
- Type-17 point for fast starts
- Coarse threads on approximately ⅔ of the shank draw the decking and other material tightly to the framing
- Driver bit included in each package
- 350-count packs contain enough screws to fasten 100 sq. ft. of decking (6" nominal-width boards installed on 16" o.c. joists)
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance
- Predrilling recommended near board ends to prevent splitting
- See p. 105 for more information on bits
- Replacement bit part number: BIT1S-2-RC3

Type 316 Stainless Steel



Size	Length (in.)	Head Diameter (in.)	Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	Bulk Bucket	
						Count	Model No.
#7	1⅝	0.23	195	T07162FB1	T07162FB5	4,000	T07162FBB
#7	2¼	0.23	138	T07225FB1	T07225FB5	3,000	T07225FBB
#7	3	0.23	98	T07300FB1	T07300FB5	2,000	T07300FBB

Type 305 Stainless Steel



Size	Length (in.)	Head Diameter (in.)	Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	Clam Shell		350-Count Model No.	Bulk Bucket	
						Count	Model No.		Count	Model No.
#7	1⅝	0.23	195	S07162FB1	S07162FB5	135	S07C162FBP	S07C162PAK	4,000	S07162FBB
#7	2¼	0.23	138	S07225FB1	S07225FB5	100	S07C225FBP	S07C225PAK	3,000	S07225FBB
#7	3	0.23	98	S07300FB1	S07300FB5	60	S07C300FBP	S07C300PAK	2,000	S07300FBB

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Trim-Head Screw — 6-Lobe Drive

Common Application:

Fasten wood decking and some composite decking materials

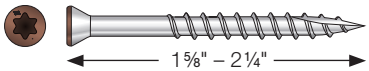
Features:

- Trim-style head is less noticeable on the decking surface
- Type-17 point for fast starts
- Coarse threads on approximately ⅔ of the shank draw the decking and other material tightly to the framing
- 6-lobe drive helps prevent driver-bit cam-out, resulting in easier driving and longer bit life
- 350-count packs contain enough screws to fasten 100 sq. ft. of decking (6" nominal-width boards installed on 16" o.c. joists)
- Choose Type 316 for seaside applications and superior corrosion resistance
- Predrilling recommended near board ends to prevent splitting
- T-15 6-lobe drive (replacement bit model BIT15T-2, see p. 105 for more information)

Painted

- Heads painted for a concealed appearance
- See pp. 24–25 for Color Reference Chart for Decking Manufacturers

Type 316 Stainless Steel — 6-Lobe Drive



Size (in.)	Head Dia. (in.)	Head Color	Approx. Count per lb.	Clamshell 70 (ct.)	1 lb. Model No.	5 lb. Model No.	350-Count Model No.	1,750-Count Model No.
#7 x 1⅝	0.23	Black	195	T07162FT70BK	—	—	—	—
#7 x 1⅝	0.23	Brown 01	195	T07162FT70BR01	—	—	T07162FTPBR01	—
#7 x 1⅝	0.23	Gray	195	T07162FT70GR	—	—	T07162FTPGR	—
#7 x 1⅝	0.23	Gray 01	195	T07162FT70GR01	—	—	T07162FTPGR01	—
#7 x 1⅝	0.23	Tan	195	T07162FT70TN	—	—	T07162FTPTN	—
#7 x 1⅝	0.23	Tan 02	195	T07162FT70TN02	—	—	T07162FTPTN02	—
#7 x 1⅝	0.23	Tan 03	195	T07162FT70TN03	—	—	T07162FTPTN03	—
#7 x 1⅝	0.23	White	195	T07162FT70WH01	T07162FT1WH01	T07162FT5WH01	T07162FTPWH01	—
#7 x 2¼	0.23	Black	138	T07225FT70BK	—	—	—	—
#7 x 2¼	0.23	Brown 01	138	T07225FT70BR01	—	—	T07225FTPBR01	T07225FTBBR01
#7 x 2¼	0.23	Brown 05	138	T07225FT70BR05	—	—	T07225FTPBR05	T07225FTBBR05
#7 x 2¼	0.23	Gray	138	T07225FT70GR	—	—	T07225FTPGR	T07225FTBGR
#7 x 2¼	0.23	Gray 01	138	T07225FT70GR01	—	—	T07225FTPGR01	T07225FTBGR01
#7 x 2¼	0.23	Gray 03	138	T07225FT70GR03	—	—	T07225FTPGR03	T07225FTBGR03
#7 x 2¼	0.23	Gray 04	138	T07225FT70GR04	—	—	T07225FTPGR04	T07225FTBGR04
#7 x 2¼	0.23	Red 01	138	T07225FT70RD01	—	—	T07225FTPRD01	T07225FTBRD01
#7 x 2¼	0.23	Tan	138	T07225FT70TN	—	—	T07225FTPTN	T07225FTBTN
#7 x 2¼	0.23	Tan 01	138	T07225FT70TN01	—	—	T07225FTPTN01	T07225FTBTN01
#7 x 2¼	0.23	Tan 02	138	T07225FT70TN02	—	—	T07225FTPTN02	T07225FTBTN02
#7 x 2¼	0.23	Tan 03	138	T07225FT70TN03	—	—	T07225FTPTN03	T07225FTBTN03
#7 x 2¼	0.23	Tan 04	138	T07225FT70TN04	—	—	T07225FTPTN04	T07225FTBTN04
#7 x 2¼	0.23	White	138	T07225FT70WH01	T07225FT1WH01	T07225FT5WH01	T07225FTPWH01	T07225FTBWH01

Brown 01, Brown 05, Gray, Gray 01, Gray 03, Gray 04, Red 01, Tan, Tan 01, Tan 02, Tan 03, Tan 04, White, Black

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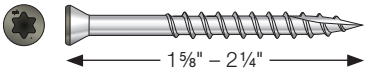
Trim-Head Screw — 6-Lobe Drive (cont.)

Painted

- Heads painted for a concealed appearance
- See pp. 24–25 for Color Reference Chart for Decking Manufacturers

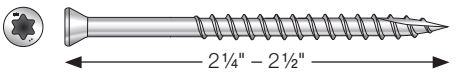


Type 305 Stainless Steel — 6-Lobe Drive

Size (in.)	Head Dia. (in.)	Head Color	Approx. Count per lb.	Clamshell (70 ct.)	1 lb. Model No.	5 lb. Model No.	Deck Pack (350 ct.)	Contractor Pack (1,750 ct.)
#7 x 1⅝	0.23	White	195	S07162FT70WH01	S07162FT1WH01	S07162FT5WH01	S07162FTPWH01	S07162FTBWH01
#7 x 2¼	0.23	Black	138	—	—	—	S07225FTPBK	S07225FTBBK
#7 x 2¼	0.23	Brown 01	138	—	—	—	S07225FTPBR01	S07225FTBBR01
#7 x 2¼	0.23	Brown 05	138	—	—	—	S07225FTPBR05	S07225FTBBR05
#7 x 2¼	0.23	Gray	138	—	—	—	S07225FTPGR	S07225FTBGR
#7 x 2¼	0.23	Gray 01	138	—	—	—	S07225FTPGR01	S07225FTBGR01
#7 x 2¼	0.23	Gray 03	138	—	—	—	S07225FTPGR03	S07225FTBGR03
#7 x 2¼	0.23	Gray 04	138	—	—	—	S07225FTPGR04	S07225FTBGR04
#7 x 2¼	0.23	Red 01	138	—	—	—	S07225FTPRD01	S07225FTBRD01
#7 x 2¼	0.23	Tan	138	—	—	—	S07225FTPTN	S07225FTBTN
#7 x 2¼	0.23	Tan 01	138	—	—	—	S07225FTPTN01	S07225FTBTN01
#7 x 2¼	0.23	Tan 02	138	—	—	—	S07225FTPTN02	S07225FTBTN02
#7 x 2¼	0.23	Tan 03	138	—	—	—	S07225FTPTN03	S07225FTBTN03
#7 x 2¼	0.23	Tan 04	138	—	—	—	S07225FTPTN04	S07225FTBTN04
#7 x 2¼	0.23	White	138	S07225FT70WH01	S07225FT1WH01	S07225FT5WH01	S07225FTPWH01	S07225FTBWH01

Brown 01, Brown 05, Gray, Gray 01, Gray 03, Gray 04, Red 01, Tan, Tan 01, Tan 02, Tan 03, Tan 04, White, Black

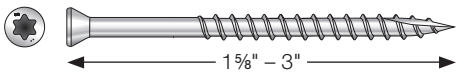
Unpainted



Type 316 Stainless Steel

Size	Length (in.)	Head Diameter (in.)	Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	350-Count Model No.	Bulk Bucket	
							Count	Model No.
#7	2¼	0.23	138	—	—	—	3,000	T07225FTB
#8	2½	0.23	126	T08250FT1	T08250FT5	—	2,000	T08250FTB

Unpainted



Type 305 Stainless Steel

Size	Length (in.)	Head Diameter (in.)	Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	350-Count Model No.	Bulk Bucket	
							Count	Model No.
#7	1⅝	0.23	195	S07162FT1	S07162FT5	S07C162FTP	4,000	S07162FTB
#7	2¼	0.23	138	S07225FT1	S07225FT5	S07225FTP	3,000	S07225FTB
#7	3	0.23	98	S07300FT1	S07300FT5	S07C300FTP	2,000	S07300FTB

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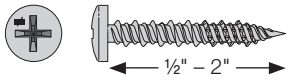
Marine Screw — Pan Head

Common Applications:

Designed to fasten securely in fiberglass, plywood and wood-substitute materials in applications exposed to severe marine or many chemically-caustic conditions. Ideal for applying trim, rub rail and molding to fiberglass boat hulls.

Features:

- Specially engineered, high/low thread form incorporates indentations ("teeth") that cut easily and quickly through high-density materials
- Extra-sharp points speed screw starts during assembly
- Screws up to 1" in length are fully threaded; screws more than 1" long are threaded ⅔ of the shank length
- #2 Phillips drive (sizes #6, #8, #10)
- #3 Phillips drive (sizes #12, #14)



Type 316 Stainless Steel

Size	Length (in.)	Head Diameter (in.)	Nominal Screw Diameter (in.)	100-Count Model No.	1,000-Count Model No.
#6	½	0.26	0.138	T06J050PXC	T06J050PXM
#6	¾	0.26	0.138	T06J075PXC	T06J075PXM
#8	¾	0.31	0.164	T08J075PXC	T08J075PXM
#10	¾	0.37	0.190	T10J075PXC	T10J075PXM
#8	1	0.31	0.164	T08J100PXC	T08J100PXM
#10	1	0.37	0.190	T10J100PXC	T10J100PXM
#12	1	0.42	0.216	T12J100PXC	T12J100PXM
#8	1¼	0.31	0.164	T08J125PXC	T08J125PXM
#10	1¼	0.37	0.190	T10J125PXC	T10J125PXM
#8	1½	0.31	0.164	T08J150PXC	T08J150PXM
#10	1½	0.37	0.190	T10J150PXC	T10J150PXM
#12	1½	0.42	0.216	T12J150PXC	T12J150PXM
#12	2	0.42	0.216	T12J200PXC	T12J200PXM

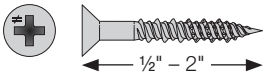
Marine Screw — Flat Head

Common Applications:

Designed to fasten securely in fiberglass, plywood and wood-substitute materials in applications exposed to severe marine or many chemically-caustic conditions. Ideal for applying trim, rub rail and molding to fiberglass boat hulls.

Features:

- Specially engineered, high/low thread form incorporates indentations ("teeth") that cut easily and quickly through high-density materials
- Extra-sharp points speed screw starts during assembly
- Screws up to 1" in length are fully threaded; screws more than 1" long are threaded ⅔ of the shank length
- #2 Phillips drive



Type 316 Stainless Steel

Size	Length (in.)	Head Diameter (in.)	Nominal Screw Diameter (in.)	100-Count Model No.	1,000-Count Model No.
#6	½	0.26	0.138	T06J050FXC	—
#6	¾	0.26	0.138	T06J075FXC	T06J075FXM
#8	¾	0.31	0.164	T08J075FXC	T08J075FXM
#6	1	0.26	0.138	T06J100FXC	T06J100FXM
#8	1	0.31	0.164	T08J100FXC	T08J100FXM
#10	1	0.36	0.190	T10J100FXC	T10J100FXM
#8	1¼	0.31	0.164	T08J125FXC	T08J125FXM
#8	1½	0.31	0.164	T08J150FXC	T08J150FXM
#10	1½	0.36	0.190	T10J150FXC	T10J150FXM
#10	2	0.36	0.190	T10J200FXC	T10J200FXM

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EB-TY® Premium Hidden Deck-Fastening System™

The EB-TY Premium Hidden Deck-Fastening System is the ideal solution that blends strength with ease of installation in a fastener that won't detract from the deck's finished appearance. Simpson Strong-Tie has redesigned the award-winning EB-TY Hidden Deck-Fastening System by integrating a Type 300 series stainless-steel reinforcing plate that adds stiffness to hold boards in place securely, yet maintains flexibility when seasonal contraction and expansion occur. Combine this innovative new design with our EB-GUIDE predrilling tool, and you have a system that not only provides hidden strength, but is also easy to install.

Metal Reinforcement

- Provides holding and pullover resistance
- Type 300 series stainless-steel plate ensures lasting durability in demanding environments
- Prevents over-driving of the screw, helping to ensure consistent, quality installations

Angled-Screw Attachment

- Ensures direct attachment of the board to the joist
- Keeps the board from “walking” or sliding
- Allows tighter spacing

Covers the Joist

- Protection from direct exposure to sun and rain
- Visually more appealing after installation

US Patents: 6,402,415; 7,578,105

For more information and access to the EB-TY Premium instructional video, visit **strongtie.com/ebtypremium**.

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Exterior Screws

EB-TY® Premium

Size (in.)	Screw Material (Trim Head)	EB-TY Premium Qty.	Screw Qty.	Ipê Plug Qty.	Model No.
3/32" Board Spacing — use for 3/4" to 1 1/2" air-dried decking					
#7 x 2 1/4	Type 305	100	115	6	EB332WDR100
#7 x 2 1/4	Type 305	175	190	12	EB332WDR175
#7 x 2 1/4	Type 305	275	300	20	EB332WDR275
#7 x 2 1/4	Type 316	175	190	12	EB332WD316R175
#7 x 1 5/8	Type 316	275	190	12	EB332WD316R275
3/16" Board Spacing — use for 3/4" to 1 1/2" kiln-dried decking					
#7 x 2 1/4	Type 305	100	115	6	EB316WDR100
#7 x 2 1/4	Type 305	175	190	12	EB316WDR175
#7 x 2 1/4	Type 305	275	300	20	EB316WDR275
#7 x 2 1/4	Type 316	175	190	12	EB316WD316R175
#7 x 1 5/8	Type 316	275	190	12	EB316WD316R275
1/4" Board Spacing — use for 3/4" to 1 1/2" kiln-dried decking					
#7 x 2 1/4	Type 305	100	115	6	EB14WDR100
#7 x 2 1/4	Type 305	175	190	12	EB14WDR175
#7 x 2 1/4	Type 305	275	300	20	EB14WDR275
#7 x 2 1/4	Type 316	175	190	12	EB14WD316R175
#7 x 1 5/8	Type 316	275	190	12	EB14WD316R275

EB332W Series

EB316W Series

EB14W Series

1. EB332WP, EB14WP, EB316WP series with 1 5/8" screws are designed for roof decks installed on 1" sleepers.
2. Model numbers corresponding to kits with 100 and 175 count EB-TY Premium include one drill bit, T-15 driver bit a nd EB-GUIDE tool. Quantities of 275 count come with two drill bits, driver bits and EB-GUIDE tools.
3. Kiln-dried decking has a moisture content of generally 19% or less. Air-dried decking is generally greater than 19% moisture content.

Replacement Parts

Description	Quantity	Model No.
#7 x 2 1/4" Trim-Head Screw, Type 316	20	T07225FT20BK
#7 x 1 5/8" Trim-Head Screw, Type 316	20	T07162FT20BK
Replacement T15 6-Lobe Driver Bit	3	BIT15T-2-RC3
1/8" Quick-Release Wood Drill Bit	3	WDB18QR3-R3
Ipê Wood Plug 3/8"	100	WDPLUG-100
EB-GUIDE Predrill Tool	1	EB-GUIDE

Ipê Wood Plugs

Features

- Made of high-quality Ipê and tapered for ease of use
- For use on decks using the EB-TY® system (first boards, aprons, etc.); also stairs and railings

Plug Diameter (in.)	Plug Length (in.)	Count Quantity	Model No.
3/8	7/16	100	WDPLUG-100
3/8	7/16	2,000	WDPLUG2M

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SIMPSON Strong-Tie®

Deck·Drive™ DCU COMPOSITE Screw

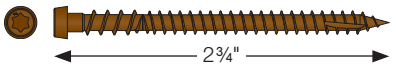
Fastening Composite Decking Boards

The Deck-Drive DCU composite screw is engineered to provide beautiful fastening results for all types of composite decking while also offering greater ease of installation, a clean finish and superb corrosion resistance. The Deck-Drive DCU is the go-to-screw for all your composite decking applications, eliminating the need to mix and match screws to the decking.

Deck-Drive DCU composite decking screws are available in carbon steel with our Quik Guard® coating. For superior corrosion resistance in marine or high-exposure environments, choose the appropriate stainless-steel DCU screw (Type 305 or Type 316). DCU screws provide a clean finish because of their special head design and are available in 11 colors, matched to blend with most major decking manufacturers. These are bulk screws, also available collated for the Quik Drive® auto-feed screw driving system.

Features:

- Available in carbon steel, as well as Type 305 and Type 316 stainless steel for high to severe levels of corrosion resistance
- Tri-lobe thread design reduces damage to the composite board while driving
- Inverted upper threads clear excess material to ensure the screw is seated properly and consistently
- Double-cut point penetrates composite-decking with ease for faster starts
- Cap-head prevents mushrooming and material from rising up above the deck for a smoother, clean-looking installation
- Approved fastener (by Trex®) for Trex® composite decking
- This screw is also available collated for the Quik Drive system; see p. 197 for details
- Refer to pp. 24–25 for color matching information
- Replacement bit part number: BIT20T-2-RC3



Carbon Steel, Quik Guard® Coating

Size	Length (in.)	Color	Clamshell (70 ct.)	Deck Pack (350ct)[1]	Contractor Bucket (1,750 ct)[2]
#10	2¾	Tan	DCU234TNR70	DCU234TNR350	DCU234TNMB
#10	2¾	Tan 01	DCU234TN01R70	DCU234TN01R350	DCU234TN01MB
#10	2¾	Tan 02	DCU234TN02R70	DCU234TN02R350	DCU234TN02MB
#10	2¾	Tan 03	DCU234TN03R70	DCU234TN03R350	DCU234TN03MB
#10	2¾	Gray	DCU234GRR70	DCU234GRR350	DCU234GRMB
#10	2¾	Gray 01	DCU234GR01R70	DCU234GR01R350	DCU234GR01MB
#10	2¾	Gray 04	DCU234GR04R70	DCU234GR04R350	DCU234GR04MB
#10	2¾	Brown 01	DCU234BR01R70	DCU234BR01R350	DCU234BR01MB
#10	2¾	Brown 05	DCU234BR05R70	DCU234BR05R350	DCU234BR05MB
#10	2¾	Red	DCU234RDR70	DCU234RDR350	DCU234RDMB
#10	2¾	Red 01	DCU234RD01R70	DCU234RD01R350	DCU234RD01MB

1. 350 screws install approx. 100 sq. ft. of decking with framing at 16" on-center spacing.
2. 1,750 screws install approx. 500 sq. ft. of decking with framing at 16" on-center spacing.

Brown 01, Brown 05, Red, Red 01, Tan, Tan 01, Tan 02, Tan 03, Gray, Gray 01, Gray 04

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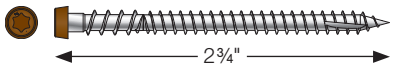
Deck·Drive™ DCU COMPOSITE Screw (cont.)

Painted head

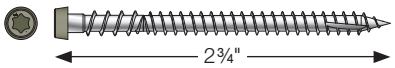
Type 316 Stainless Steel



Size	Length (in.)	Head Color	Clamshell (70 ct.)	Deck Pack (350ct)[1]	Contractor Bucket (1,750 ct)[2]
#10	2¾	—	DCU234C316	DCU234P316	DCU234MB316
#10	2¾	Tan	DCU234C316TN	DCU234P316TN	DCU234MB316TN
#10	2¾	Tan 01	DCU234C316TN01	DCU234P316TN01	DCU234MB316TN01
#10	2¾	Tan 02	DCU234C316TN02	DCU234P316TN02	DCU234MB316TN02
#10	2¾	Tan 03	DCU234C316TN03	DCU234P316TN03	DCU234MB316TN03
#10	2¾	Gray	DCU234C316GR	DCU234P316GR	DCU234MB316GR
#10	2¾	Gray 01	DCU234C316GR01	DCU234P316GR01	DCU234MB316GR01
#10	2¾	Gray 04	DCU234C316GR04	DCU234P316GR04	DCU234MB316GR04
#10	2¾	Brown 01	DCU234C316BR01	DCU234P316BR01	DCU234MB316BR01
#10	2¾	Brown 05	DCU234C316BR05	DCU234P316BR05	DCU234MB316BR05
#10	2¾	Red	DCU234C316RD	DCU234P316RD	DCU234MB316RD
#10	2¾	Red 01	DCU234C316RD01	DCU234P316RD01	DCU234MB316RD01

Brown 01, Brown 05, Red, Red 01, Tan, Tan 01, Tan 02, Tan 03, Gray, Gray 01, Gray 04

Type 305 Stainless Steel



Size	Length (in.)	Head Color	Clamshell (70 ct.)	Deck Pack (350ct)[1]	Contractor Bucket (1,750 ct)[2]
#10	2¾	—	DCU234C305	DCU234P305	DCU234MB305
#10	2¾	Tan	—	DCU234P305TN	DCU234MB305TN
#10	2¾	Tan 01	—	DCU234P305TN01	DCU234MB305TN01
#10	2¾	Tan 02	—	DCU234P305TN02	DCU234MB305TN02
#10	2¾	Tan 03	—	DCU234P305TN03	DCU234MB305TN03
#10	2¾	Gray	—	DCU234P305GR	DCU234MB305GR
#10	2¾	Gray 01	—	DCU234P305GR01	DCU234MB305GR01
#10	2¾	Gray 04	—	DCU234P305GR04	DCU234MB305GR04
#10	2¾	Brown 01	—	DCU234P305BR01	DCU234MB305BR01
#10	2¾	Brown 05	—	DCU234P305BR05	DCU234MB305BR05
#10	2¾	Red	—	DCU234P305RD	DCU234MB305RD
#10	2¾	Red 01	—	DCU234P305RD01	DCU234MB305RD01

Brown 01, Brown 05, Red, Red 01, Tan, Tan 01, Tan 02, Tan 03, Gray, Gray 01, Gray 04

1. 350 screws install approx. 100 sq. ft. of decking with framing at 16" on-center spacing.
2. 1,750 screws install approx. 500 sq. ft. of decking with framing at 16" on-center spacing.

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SIMPSON Strong-Tie®

Screws

Deck-Drive™

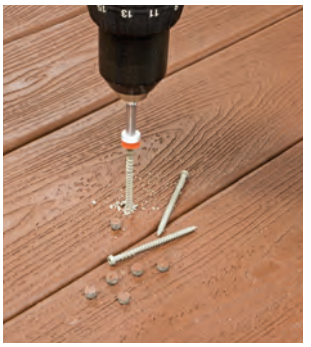
DCU Screw Plug Solution

For PVC and Composite Decks and Trim Boards

The Deck-Drive DCU screw plug solution is a complete hidden deck-fastening system designed for use with our premium DCU Composite screws, and is comprised of DCU screw plugs and the auto-set driver bit (each sold separately). The DCU screw plugs are made from materials by major composite and PVC board manufacturers to match your deck and trim boards. No more visible screw heads — a clean, professional finish. Fully compatible with hand-drive and Quik Drive® auto-feed screw driving system installations.

Features

- Tapered for easy insertion
- Made from original deck and trim materials for an exact match and resistance to weathering
- For use only with Simpson Strong-Tie® Deck-Drive DCU Composite screws



Auto-Set Driver™ Bit

- Perfect for hand-driving Deck-Drive DCU Composite fasteners
- Non-abrasive depth stop to minimize marring the board surface and control drive depth
- T20 6-lobe driver bit provides secure bit engagement
- When using a Quik Drive system, use the Quik Drive T20 Auto-Set Driver bit with depth set to maximum

DCU Screw Plugs for Composite Decks

Material	Retail Pack — 20 Sq. Ft.		Contractor Pack — 100 Sq. Ft.		Master Carton Qty.	Texture
	Model No.	Qty.	Model No.	Qty.		
Trex – Beach Dune	TRX20BD	75	TRX100BD	375	5	Woodgrain
Trex – Clam Shell	TRX20CS	75	TRX100CS	375	5	Woodgrain
Trex – Fire Pit	TRX20FP	75	TRX100FP	375	5	Woodgrain
Trex – Gravel Path	TRX20GP	75	TRX100GP	375	5	Woodgrain
Trex – Havana Gold	TRX20HG	75	TRX100HG	375	5	Woodgrain
Trex – Island Mist	TRX20IM	75	TRX100IM	375	5	Woodgrain
Trex – Lava Rock	TRX20LR	75	TRX100LR	375	5	Woodgrain
Trex – Madeira	TRX20MD	75	TRX100MD	375	5	Woodgrain
Trex – Pebble Gray	TRX20PG	75	TRX100PG	375	5	Woodgrain
Trex – Rope Swing	TRX20RS	75	TRX100RS	375	5	Woodgrain
Trex – Saddle	TRX20SD	75	TRX100SD	375	5	Woodgrain
Trex – Spiced Run	TRX20SR	75	TRX100SR	375	5	Woodgrain
Trex – Tiki Torch	TRX20TT	75	TRX100TT	375	5	Woodgrain
Trex – Tree House	TRX20TH	75	TRX100TH	375	5	Woodgrain
Trex – Vintage Lantern	TRX20VL	75	TRX100VL	375	5	Woodgrain
Trex – Winchester Gray	TRX20WG	75	TRX100WG	375	5	Woodgrain
Trex – Woodland Brown	TRX20WB	75	TRX100WB	375	5	Woodgrain

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Deck·Drive™

DCU Screw Plug Solution (cont.)

DCU Screw Plugs for PVC Decks

Material	Retail Pack — 20 Sq. Ft.		Contractor Pack — 100 Sq. Ft.		Master Carton Qty.	Texture
	Model No.	Qty.	Model No.	Qty.		
Azek – Acacia	AZK20ACA	75	AZK100ACA	375	5	Woodgrain
Azek – Autumn Chestnut	AZK20AC	75	AZK100AC	375	5	Woodgrain
Azek – Brazilian Walnut	AZK20BW	75	AZK100BW	375	5	Woodgrain
Azek – Brownstone	AZK20BRS	75	AZK100BRS	375	5	Woodgrain
Azek – Cypress	AZK20CYP	75	AZK100CYP	375	5	Woodgrain
Azek – Dark Hickory	AZK20DH	75	AZK100DH	375	5	Woodgrain
Azek – Hazelwood	AZK20HW	75	AZK100HW	375	5	Woodgrain
Azek – Island Oak	AZK20IO	75	AZK100IO	375	5	Woodgrain
Azek – Kona	AZK20KNA	75	AZK100KNA	375	5	Woodgrain
Azek – Mahogany	AZK20MHY	75	AZK100MHY	375	5	Woodgrain
Azek – Morado	AZK20MR	75	AZK100MR	375	5	Woodgrain
Azek – Mountain Redwood	AZK20MOR	75	AZK100MOR	375	5	Woodgrain
Azek – Silver Oak	AZK20SO	75	AZK100SO	375	5	Woodgrain
Azek – Slate Gray	AZK20SG	75	AZK100SG	375	5	Woodgrain

DCU Screw Plugs for PVC Trim

Material	Retail Pack — 50 Linear Ft.		Contractor Pack — 250 Linear Ft.		Master Carton Qty.	Texture
	Model No.	Qty.	Model No.	Qty.		
Azek Frontier	AZK50WG	80	AZK250WG	400	5	Woodgrain
Azek Traditional	AZK50SM	80	AZK250SM	400	5	None
Versatex Smooth	VSTX50SM	80	VSTX250SM	400	5	None
Versatex Timber Ridge	VSTX50WG	80	VSTX250WG	400	5	Woodgrain

Auto-Set Driver Bit

Bit Size	Model No.	Qty.
Auto-Set Driver Bit T-20	BIT20T-PL-RC1	1
Auto-Set Driver Bit 3-pack T-20	BIT20T-PL-RC3	3
Quik Drive Auto-Set Driver Bit 3-pack T-20	BITTX20-PL-RC3	3
Quik Drive Auto-Set Driver Bit 10-pack T-20	BITTX20-PL-RC10	10

Auto-Set Driver Bit

Quik Drive® Auto-Set Driver Bit

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SIMPSON Strong-Tie®

Screws

Fascia-Fastening Solution™

PVC and Composite Fascia Applications

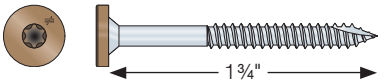
The Simpson Strong-Tie® Fascia-Fastening Solution consists of the counterbore bit and fascia screw, and is specially designed to securely fasten composite and PVC fascia while providing superior corrosion resistance. The Fascia Fastening Solution allows for the expansion and contraction of installed fascia boards and thus prevents failures as a result of exposure to environmental conditions.

Fascia Screw

- Type 316 stainless steel provides severe-level corrosion resistance
- Additional space around the shank of the fascia screw allows for the expansion and contraction of the fascia board
- Low-profile pancake head resists pullover
- For use with ½"–¾"-thick fascia boards
- Available in 12 colors to match major manufacturers' fascia material
- Approved for attachment of Trex® Fascia Boards
- T20 6-lobe drive (replacement bit model BIT20T-2, see p.105 for more information

Counterbore Bit (sold separately)

- Crucial for proper installation of fascia boards
- Creates pilot hole for clean installation
- Creates a counterbore to allow a flush finish of the fascia screw head
- Bores space larger than screw shank to allow for fascia board expansion and contraction



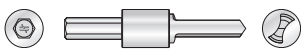
Type 316, Stainless-Steel Painted Head

Size (in.)	Head Color	Head Dia. (in.)	Point Type	Drive Type	Model No.	Quantity
#8 x 1¾	Brown 01	0.40	Type-17	T-20	T08175FS75BR01	75
#8 x 1¾	Brown 05	0.40	Type-17	T-20	T08175FS75BR05	75
#8 x 1¾	Gray	0.40	Type-17	T-20	T08175FS75GR	75
#8 x 1¾	Gray 01	0.40	Type-17	T-20	T08175FS75GR01	75
#8 x 1¾	Gray 04	0.40	Type-17	T-20	T08175FS75GR04	75
#8 x 1¾	Red	0.40	Type-17	T-20	T08175FS75RD	75
#8 x 1¾	Red 01	0.40	Type-17	T-20	T08175FS75RD01	75
#8 x 1¾	Tan	0.40	Type-17	T-20	T08175FS75TN	75
#8 x 1¾	Tan 01	0.40	Type-17	T-20	T08175FS75TN01	75
#8 x 1¾	Tan 02	0.40	Type-17	T-20	T08175FS75TN02	75
#8 x 1¾	Tan 03	0.40	Type-17	T-20	T08175FS75TN03	75
#8 x 1¾	White 01	0.40	Type-17	T-20	T08175FS75WH01	75

Brown 01, Brown 05, Red, Red 01, Tan, Tan 01, Tan 02, Tan 03, Gray, Gray 01, Gray 04, White

Fascia Counterbore Bit

Arbor Size	Bore Dia. (in.)	Counterbore Dia. (in.)	Model No.	Quantity
¼"	0.25	0.41	FSBIT	1



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PVC Trim-Board Screw

PVC Trim and Fascia Applications

The new PVC Trim-Board screw is a special-purpose fastener engineered for easy installations of exterior PVC trim and fascia onto wood. The fastener's triple-thread design allows for low-torque driving and increased holding power. The box-shaped cutter head bores through PVC materials, stripping away excess during countersinking, while the flat-washer underhead provides for less board pull-through and a clean, flush finish.

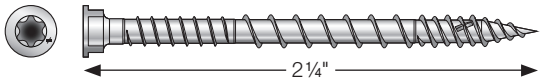
The PVC Trim-Board screw is available in a white exterior-grade coating that provides medium-level corrosion resistance, making it ideal for outdoor applications where the fastener blends into popular white PVC trim.

Features:

- Unique box-shaped cutter head
- Triple-thread design for low-torque driving and holding boards securely
  - Optimized-thread pattern draws members together tightly
  - Low-torque threads for easy driving
  - High-low threaded tip for fast starts
- 6-lobe drive provides secure engagement with the screw for easy installations and longer bit life — T20 bit included
- White exterior-grade coating blends with popular white trim boards
- T20 6-lobe drive (replacement bit model BIT20T-2, see p. 105 for more information)

Simpson Strong-Tie internal test results indicate that the PVC Trim-Board screw provides higher pull-through resistance than other trim-head screws.

US Patent Pending



White Exterior-Grade Coating

Size	Length (in.)	Point Type	Model No.	Quantity
#8	2¼	High-low thread	TSV214R70WH01	70

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Strong-Drive® SDW EWP-PLY Screw

Multi-Ply Wood Members, Engineered-Lumber Products and Solid-Sawn Lumber

The Strong-Drive® SDW EWP-Ply screw is a high-strength structural wood screw specifically designed for fastening multi-ply wood members, such as engineered-wood products and solid-sawn lumber. The SDW EWP-Ply installs easily with no predrilling and is available in optimized lengths for fastening 1¾" engineered lumber, such as structural composite lumber (SCL). The large, flush head eases the handling of assembled components and simplifies the installation of finishes or structural connectors. It is code listed under IAPMO-UES ER-192 and meets 2015 and 2018 IRC® and IBC® code requirements for several common wood framing applications.

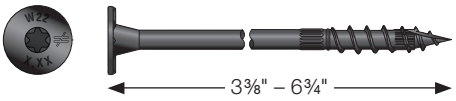
Features:

- Large washer head with nibs provides maximum bearing area; stamped with the Simpson Strong-Tie "≠" sign and fastener length for easy identification after installation (0.75" head dia.)
- 6-lobe, T40 drive provides positive engagement that makes the screw easy to drive and improves bit life (replacement driver bit — BIT40T-134-RC3)
- Low-profile head results in less interference after installation; makes stacking and sliding members easier and allows installation of hardware and finishes to be virtually flush
- Optimal screw lengths provide maximum penetration while preventing the point from protruding out the back of the member
- Specific thread lengths avoid jacking
- Higher shear values than competitive products enable wider spacing, saving time and money
- Bold thread design provides superior holding power and cinches fastened members together for consistent installation
- SawTooth™ point ensures fast starts, reduced installation torque and eliminates the need for predrilling in most applications
- Retail and mini-bulk packs include one 6-lobe, T40 driver bit; bulk packs include two driver bits

Codes/Standards: IAPMO-UES ER-192; City of L.A. RR25906, State of Florida FL13975

For Technical Data and Loads, see Technical Supplement

US Patent: 9,523,383



E-Coat® Coating

Size (in.)	Thread Length (in.)	Typical Application[1]	Retail Pack			Mini-Bulk Bucket		Bulk	
			Fasteners per Pack[3]	Packs Per Master Carton	Model No.	Fasteners per Pack	Model No.	Fasteners per Pack	Model No.
0.220 x 3⅜	1 9/16	SCL	1	6	SDW22338-R50	250	SDW22338MB	900	SDW22338
0.220 x 5	1 9/16	SCL/3x2PCT	1	4	SDW22500-R50	200	SDW22500MB	600	SDW22500
0.220 x 6¾	1 9/16	SCL/4x2PCT	1	4	SDW22634-R50	200	SDW22634MB	500	SDW22634

1. Typical screw application key: SCL = 1¾" plies of structural-composite lumber. SCL/3x2PCT = 1¾" plies of structural-composite lumber or double 3x2 parallel-chord trusses. SCL/4x2PCT = 1¾" or 3½" plies of structural-composite lumber or double 4x2 parallel-chord trusses.
2. Replacement driver bit: BIT40T-134.
3. Master carton quantities: 50.

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Strong-Drive® SDW TRUSS-PLY Screw

Truss-Ply Fastening

The Strong-Drive SDW Truss-Ply screw is a high-strength structural wood screw specifically designed for fastening multi-ply wood members, such as joining plated trusses and solid-sawn lumber. The SDW installs easily with no predrilling and is available in optimized lengths for fastening 2-, 3- and 4-ply trusses. With the SDW Truss-Ply screw, multi-ply trusses and components can be fastened from one side without requiring the lifting and flipping of heavy assemblies. It is code listed under IAPMO-UES ER-192 and meets 2015 and 2018 IRC® and IBC® code requirements for several common wood framing applications with wood and engineered wood.

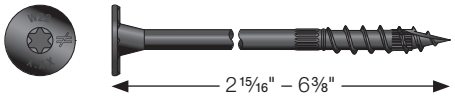
Features:

- Large washer head with nibs provides maximum bearing area; stamped with the Simpson Strong-Tie "≠" sign and fastener length for easy identification after installation (0.75" head dia.)
- 6-lobe, T40 drive provides positive engagement that makes the screw easy to drive and improves bit life (replacement driver bit — BIT40T-14)
- Low-profile head results in less interference after installation; makes stacking and sliding members easier and allows installation of hardware and finishes to be virtually flush
- Higher shear values than competitive products enable wider spacing, saving time and money
- Bold thread design provides superior holding power and cinches fastened members together for consistent installation
- SawTooth™ point ensures fast starts, reduced installation torque and eliminates the need for predrilling in most applications
- Retail and mini-bulk packs include one 6-lobe, T-40 driver bit; bulk packs include two driver bits

Codes/Standards: IAPMO-UES ER-192; City of L.A. RR25906, State of Florida FL13975

For Technical Data and Loads, see Technical Supplement

US Patent: 9,523,383



E-Coat® Coating

Size (in.)	Thread Length (in.)	Typical Application[1,2,3]	Retail Pack			Mini-Bulk Bucket		Bulk	
			Fasteners per Pack [5]	Packs Per Master Carton	Model No.	Fasteners per Pack	Model No.	Fasteners per Pack	Model No.
0.220 x 2 15/16	1 7/16	2x/Truss	1	6	SDW22300-R50	250	SDW22300MB	950	SDW22300
0.220 x 4 3/8	1 7/16	2x/Truss desert	1	4	SDW22438-R50	200	SDW22438MB	600	SDW22438
0.220 x 4 5/8	1 7/16	2x/Truss	1	4	SDW22458-R50	200	SDW22458MB	600	SDW22458
0.220 x 6	1 7/16	2x/Truss desert	1	4	SDW22600-R50	200	SDW22600MB	500	SDW22600
0.220 x 6 3/8	1 7/16	2x/Truss	1	4	SDW22638-R50	200	SDW22638MB	500	SDW22638

1. Typical screw application key: 2x/Truss = Solid sawn dimensional lumber and plated wood trusses. 2x Truss Desert = Solid sawn dimensional lumber and plated wood trusses in desert environments (scant lumber).
2. If assembly is less than or equal to 4 9/16" thick, use the SDW22438.
3. If assembly is less than or equal to 6 9/16" thick, use the SDW22600.
4. Replacement driver bit: BIT40T-134.
5. Master carton quantities: 50.

Strong-Drive® SDWS LOG Screw

Log Home Construction and General Interior Applications

The Strong-Drive SDWS Log screw is a structural wood screw available in longer lengths and is designed for log-home construction and general interior applications. These 0.220"- and 0.195"-diameter structural fasteners require less torque to install than comparable fasteners. The large diameter head pulls logs down easily, eliminating the need to use extra washers. It is code listed under IAPMO-UES ER-192 and meets 2015 and 2018 IRC® and IBC® code requirements for several common wood framing applications.

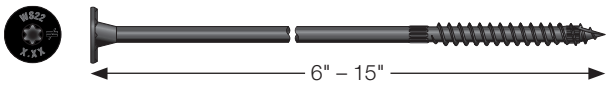
Features:

- SawTooth™ point ensures fast starts, reduces installation torque and eliminates the need for predrilling in most applications
- Low-profile head design makes countersinking easy (0.75" head dia.)
- Serrated thread reduces log splitting and damage
- Large washer head with nibs provides maximum bearing area
- 6-lobe, T40 drive provides positive engagement that makes the screw easy to drive and improves bit life (replacement driver bit — BIT40T-134)
- Size Identification on all SDWS screw heads

Codes/Standards: IAPMO-UES ER-192

For Technical Data and Loads, see Technical Supplement

US Patent: 9,523,383



E-Coat Coating

Size (in.)	Thread Length (in.)	Flagged Fasteners		Retail Pack			Mini-Bulk	
		Fast. per Pack	Model No.	Fast. per Pack	Packs Per Master Carton	Model No.	Fast. per Pack	Model No.
0.195 x 6	2 3/4	1	SDWS19600-RP1	50	6	SDWS19600-R50	250	SDWS19600
0.195 x 7 1/2	2 3/4	1	SDWS19712-RP1	50	6	SDWS19712-R50	250	SDWS19712
0.220 x 8	2 3/4	1	SDWS22800-RP1	50	6	SDWS22800-R50	250	SDWS22800
0.220 x 9	2 3/4	1	SDWS22900-RP1	50	6	SDWS22900-R50	250	SDWS22900
0.220 x 10	2 3/4	1	SDWS221000-RP1	50	6	SDWS221000-R50	250	SDWS221000
0.220 x 11	2 3/4	1	SDWS221100-RP1	50	6	SDWS221100-R50	250	SDWS221100
0.220 x 12	2 3/4	1	SDWS221200-RP1	50	6	SDWS221200-R50	250	SDWS221200
0.220 x 15	2 3/4	1	SDWS221500-RP1	50	6	SDWS221500-R50	250	SDWS221500

Replacement driver bit: BIT40T-134.

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Screws

Strong-Drive®
SDWC TRUSS Screw

Truss/Rafter-to-Plate and Stud-to-Plate Connections

The Strong-Drive SDWC Truss screw provides a stud-to-bottom plate or stud-to-top plate connection as well as fastening trusses and rafters to top plates. The full-threaded shank engages the entire length of the fastener, providing a secure connection. The SDWC is tested in accordance with ICC-ES AC233 (screw) and AC13 (wall assembly and roof-to-wall assembly) for uplift and lateral loads between wall plates and vertical wall framing and between the top plate and the roof rafters or trusses. It is code listed under IAPMO-UES ER-262 and meets 2015 and 2018 IRC® and IBC® code requirements for several common wood framing applications.

For safe and easy installation, use the Quik Stik™ rafter and truss fastening system.

Features:

- Fully-threaded shank engages the entire length of the fastener, providing a secure connection between the roof and wall framing members
- Cap-style head countersinks fully into the double top plate to avoid interference with drywall or finish trades
- Wide tolerance on installation angle makes it easy to install the SDWC correctly
- Can be installed from inside the structure, eliminating exterior work on the upper stories and enhancing job safety
- 6-lobe, T30 driver bit provides positive engagement that makes the screw easy to drive and improves bit life (replacement driver bit — BIT30T-2-RC3)
- Fastening can be performed before or after exterior sheathing is applied for added flexibility
- Metal installation guide tool (included) to help ensure proper installation
- Orange color for easy inspection
- Type-17 point for faster starts and easier driving
- SDWC15450 is recognized for use in chemically treated wood as described in the evaluation report

Codes/Standards: IAPMO-UES ER-262, State of Florida FL13975

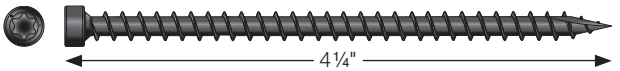
For Technical Data and Loads, see Technical Supplement

SDWC15450-KT and SDWC15600-KT contains:

- (50) Strong-Drive SDWC screws
- (1) Matched-tolerance driver bit (Part no. BIT30T-2-RC3; also sold separately)
- (1) Metal installation guide tool
  - SDWC-GUIDE (for SDWC15600 only; also sold separately)

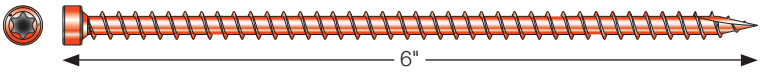
SDWC15450B-KT and SDWC15600B-KT contains:

- (500) Strong-Drive SDWC screws
- (2) Matched-tolerance driver bits (Part no. BIT30T-2-RC3; also sold separately)
- (2) Metal installation guide tools
  - SDWC-GUIDE (for SDWC15600 only; also sold separately)



E-Coat® Coating

Size (in.)	Thread Length (in.)	Retail Pack			Mini-Bulk Bucket	
		Fast. per Pack	Retail Per Master Carton	Model No.	Fast. per Bucket	Model No.
0.152 x 4½	4¼	50	6	SDWC15450-KT	500	SDWC15450B-KT



Clear Zinc Coating (with Orange Topcoat)

Size (in.)	Thread Length (in.)	Retail Pack			Mini-Bulk Bucket	
		Fast. per Pack	Retail Per Master Carton	Model No.	Fast. per Bucket	Model No.
0.152 x 6	5¾	50	6	SDWC15600-KT	500	SDWC15600B-KT

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SIMPSON Strong-Tie®

Quik Stik™

Rafter and Truss Fastening System

Rafter/Truss-to-Top-Plate, Stud-to-Top-Plate Connections

The Simpson Strong-Tie® Quik Stik installation tool provides contractors with a versatile solution that makes fastening rafter and truss connections fast, safe and easy.

- Fast installation: Drive screws overhead from a standing position with no ladders
- Safe on the jobsite: Designed for use inside the structure — no need to work outside the building
- Easy to operate — less-experienced users can work quickly and efficiently
- Proven fastener solution: Tested and code-listed
- Precise: Bright orange guidelines facilitate proper alignment for each of the approved installations
- Special purpose: Designed specifically for use with the Strong-Drive® SDWC Truss screw for rafter/truss connections

Features:

- Nylon over-molded head with positioning prongs that provide a secure grip on top plate
- Long extension arm for reaching overhead top plate/rafter connections
- Comfortable rubberized grip
- Angle and Centerline guide lines to correctly position the SDWC Truss screw for installation
- Adjustable bubble level to ensure proper installation screw angle

Codes/Standards: N/A

For Technical Data, see Technical Supplement

US Patent Pending

Designed for use with the 6" Strong-Drive SDWC Truss Screw

(SDWC15600DB screws sold separately, see p. 84)

Efficiently Installs a Variety of Top-Plate-to-Rafter/Truss Assemblies

Narrow face of stud location.

Wide face of stud location.

Rafter/truss offset from stud, vertical installation.

Rafter/truss offset from stud, corner installation.

Rafter/truss aligned with stud, compound angle.

Quik Stik System

Product	Model No.
Quik Stik rafter and truss fastening system	QUIKSTIK
Quik Stik replacement protective case	QSCASE

BIT30TU-2-RC3 driver bit is included in Quik Stik system kits.

System Includes:

Quik Stik tool
Bubble level
BITT30TU bit
Protective case

Quik Stik Tool

BIT30TU-2-RC3

Detachable Bubble Level

Protective Case

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Screws

Strong-Drive®
SDWF **FLOOR-TO-FLOOR** Screw

Wind-Uplift Restraint Connections

The Strong-Drive SDWF Floor-To-Floor screw is designed to simplify the wind-uplift restraint connection while providing superior performance over the life of the structure. The unique design of the SDWF enables it to attach upper and lower walls together from the top, spanning the floor system and providing an easy-to-install connection within the continuous uplift load path of the structure.

The innovative take-up washer (TUW) plays a key role in the long-term performance of the SDWF when installed between the screw head and the sole plate of the upper floor. As the structure settles because of shrinkage and construction loading, the threaded portion under the head of the screw ratchets up through the tabs of the TUW, which is fastened with Simpson Strong-Tie Strong-Drive® SD screws. The interlock between the tabs of the take-up washer and the threads under the head of the SDWF prevent the screw from sliding back under load, providing a simple yet reliable means of shrinkage compensation up to ¾" per story.

Features:

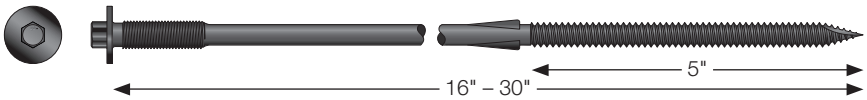
- Faster to install than other floor-to-floor connection methods
- Shrinkage compensation ensures a tight connection even after initial settlement occurs
- Installs from inside the structure, eliminating exterior work on upper stories and enhancing job safety
- Fastening can be done before or after exterior sheathing is applied for added flexibility
- Qualified for use in engineered wood products

Kit includes all required installation hardware:

- (25) Strong-Drive SDWF Floor-to-Floor screw
- (25) TUW take-up washers
- (100) Strong-Drive SD Connector screws
- 5⁄16" hex driver bit (replacement driver bit — BITHEXR516-134)
- Screw depth guide to ensure proper SDWF engagement with TUW

Codes/Standards: ICC-ES ESR-3046 (SDWF), ICC-ES ESR-2320 (TUW), State of Florida FL9589, FL1007(TUW)

For Technical Data and Loads, see Technical Supplement
US Patent: 8,276,323



E-Coat® Coating

Length (in.)	Shank Diameter (in.)	Thread Length (in.)	Hex Drive (in.)	Model No.
16	0.27	5	5⁄16	SDWF2716-TUW
20	0.27	5	5⁄16	SDWF2720-TUW
24	0.27	5	5⁄16	SDWF2724-TUW
26	0.27	5	5⁄16	SDWF2726-TUW
30	0.27	5	5⁄16	SDWF2730-TUW

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Strong-Drive® SDWV SOLE-TO-RIM Screw

Sole-to-Rim Attachment

The Strong-Drive SDWV Sole-to-Rim screw may be used to attach a sole plate to a rim board. The SDWV Sole-to-Rim screw coating is intended for dry service, low corrosion applications and is suitable for use with FRT in medium-corrosion, dry-service applications.

Features:

- Large 0.400 diameter head for increased holding power
- Fast start point with helical ridge for fast, easy, low-torque installation
- Tested in wood and engineered wood
- Variable thread design, optimized for 2x dimensional lumber

US Patent 6,074,149

For Technical Data and Loads, see Technical Supplement

E-Coat® Coating

Size (in.)	Head Diameter (in.)	Shank Diameter (in.)	Coating	Quantity	Model No.
#10 x 4	0.4	0.14	E-coat	1,000	SDWV13400

Replacement driver bit: BIT25T-2.

Wafer-Head Screw

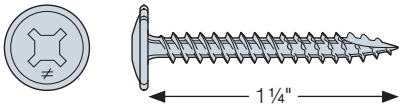
Common Application:

General wood-to-wood fastening

Features:

- Wafer head
- Deep #2 Phillips drive reduces cam-out and makes driving easier
- Type-17 for fast starts
- Clear zinc electro-galvanized finish; for information on corrosion, materials and coatings, see pp. 17–20

For Technical Data and Loads, see Technical Supplement



Clear Zinc Coating

Size	Length (in.)	Head Diameter (in.)	Carton Quantity	Model No.
#8	1¼	0.42	100	SD8x1.25-R

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Cement Board Screw

Cement Board Fastening Applications

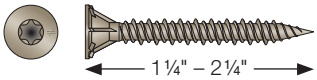
Designed for Use in All Cement Backerboards Including HardieBacker®, Durock®, WonderBoard® and PermaBase®

The ANSI–A108 compliant Cement Board screw is designed for ease of installation and long life. With its corrosion-resistant coating, the Cement Board screw is ideal for use in all tile backerboards.

Features:

- 6-lobe, T25 drive provides positive engagement to improve bit life (replacement driver bit — BIT25T-2-RC3)
- High-low thread for easier driving
- Ribbed wafer head with nibs provides a flush finish
- Distinctive multilayer corrosion-resistant coating prevents rust stains

Codes/Standards: ANSI–A108 compliant



Coated Zinc

Length (in.)	Size	Head Dia. (in.)	Drive Type	Retail Pack		Contractor Pack	
				Fasteners per Pack	Model No.	Fasteners per Pack	Model No.
1¼	#8	0.38	T-25	200	CBHL114R200	800	CBHL114R800
1⅝	#8	0.38	T-25	150	CBHL158R150	600	CBHL158R600
2¼	#8	0.38	T-25	100	CBHL214R100	—	—

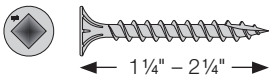
Corrosion resistance: No red rust after 500 hours of ASTMB117 exposure.
Replacement driver bit: BIT25T-2-RC3.

HardieBacker®, Durock®, WonderBoard® and PermaBase® are trademarks of their respective companies.

Fiber-Cement Screw

Features:

- Wafer head with self-countersinking nibs
- Type-17 point for fast starts
- Full-length coarse thread (to within 5⁄16" of head)
- Use 1¼" screws to attach fiber cement siding to stress skin panels
- Use 1⅝" screws to blind-fasten fiber cement lap siding to wood
- #2 square drive (replacement bit model BIT2S-2; see p. 105 for more information)



Type 316 Stainless Steel

Size	Length (in.)	Head Diameter (in.)	Carton Quantity	Model No.
#8	1¼	0.39	100	T08C125WQC
#8	1¼	0.39	1,000	T08C125WQM
#8	1⅝	0.39	100	T08C162WQC
#8	1⅝	0.39	1,000	T08C162WQM
#8	2¼	0.39	100	T08225WQ1
#8	2¼	0.39	1,000	T08C225WQM
#8	2¼	0.39	2,000	T08C225WQC

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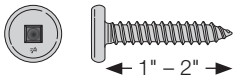
Pancake-Head Screw

Common Applications:
Securing clips to wood used in standing-seam-roofing

Features:
- Low-profile head
- #2 square drive (replacement bit BIT2S-2; see p. 105 for more information)
- Fully-threaded shank
- Type 410 stainless steel is coated for additional corrosion protection

Type 410 stainless steel can be hardened through heat treatment, giving it the ability to drill through metal. It does not offer the same level of corrosion resistance of either Type 316 or 305 stainless steel.



Type 410 Stainless Steel*

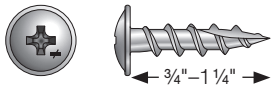
Size	Length (in.)	Head Diameter (in.)	Carton Quantity	Model No.
#10	1	0.44	100	F10T100PTC
#10	1	0.44	1,000	F10T100PTM
#10	1	0.44	4,500	F10T100PTB
#10	2	0.44	100	F10T200PTC
#10	2	0.44	1,000	F10T200PTM

* These products are subject to quantities on hand or may require special ordering and are subject to minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

Wire-Lath Modified Truss-Head Screw

Common Application:
Fastening lath to wood

Features:
- For use in applications where a larger bearing surface is needed underneath the head
- #2 Phillips drive
- Type-17 point



Type 305 Stainless Steel

Size	Length (in.)	Head Diameter (in.)	Carton Quantity	Model No.
#8	¾	0.42	100	S08C075KQC
#8	¾	0.42	1,000	S08C075KQM
#8	1 ¼	0.42	100	S08C125KQC
#8	1 ¼	0.42	1,000	S08C125KQM

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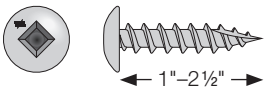
Truss-Head Screw

Common Application:
Fasten all materials to wood or wood-substitute materials

Features:
- Square drive
- Type-17 point
- Coarse thread
- Predrilling recommended dependent on substrate
- Oversized head
- #2 square drive (replacement bit model BIT2S-2; see p. 105 for more information)



Type 305 Stainless Steel

Size	Length (in.)	Head Diameter (in.)	Carton Quantity	Model No.
#8	1	0.37	100	S08C100TSC
#8	1	0.37	1,000	S08C100TSM
#8	1	0.37	2,000	S08100TSBC
#8	1¼	0.37	100	S08C125TSC
#8	1¼	0.37	1,000	S08C125TSM
#8	1½	0.37	100	S08C150TSC
#8	1½	0.37	1,000	S08C150TSM
#8	1½	0.37	2,000	S08150TSBC
#8	2½	0.37	100	S08C250TSC
#8	2½	0.37	1,000	S08C250TSM
#8	2½	0.37	2,000	S08250TSBC

Storm-Panel Screw

Common Application:
Ideal for attaching storm panels to wood, concrete and masonry

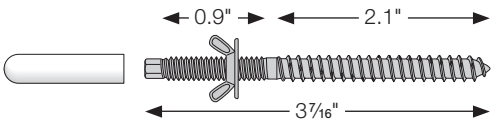
Features:
- Save time and money with a single installation
- The screw is made of Type 302 stainless steel for corrosion resistance

Each Pack Contains:
- (25) Stainless-steel storm-panel screws ¼" x 3⁷⁄₁₆"
- (25) ¼" zinc die-cast washered wing nuts
- (25) White plastic caps to protect threads after panels are removed
- (1) Hex-driver bit for panel screw
- (1) 0.234" x 4½" carbide-tipped drill bit

Installation:
1. Drill a hole in the concrete or masonry base material using the drill bit provided. To predrill into wood, use a ³⁄₁₆" bit (not included).
2. Drive the screw using the hex-driver bit (included). Drive the screw to fully embed the coarse-threaded shank such that the threaded stud for the wing nut is fully exposed.
3. To secure panels: install the panel on the threaded stud and secure with the wing nut.
4. To remove panels: remove the wing nut, remove the panel, then cover the threaded stud with the plastic cap.

Storm-Panel Screw Pack

Size (in.)	Length (in.)	Model No.
¼	3⁷⁄₁₆	SPS25344-KT



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Strong-Drive® XL LARGE-HEAD METAL Screw

Steel decking or other cold-formed steel framing; connectors to structural steel

Strong-Drive XL Large-Head Metal screws are load-tested and code-listed, allowing you to get the for maximum load values for installation. These screws are the perfect choice when high shear or uplift resistance is required and can be excellent 1-for-1 replacements for pins.

Features:

- 5⁄16" hex drive (replacement driver bit — BITHEXR516-134)
- #5 drill point
- Quik Guard® coating
- 5⁄8"-diameter integral washer
- This screw is also available collated for the Quik Drive® system; see p. 210 for details

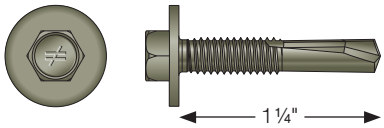
Codes/Standards: IAPMO UES ER-326, FM Approval 3050714, State of Florida FL16937, City of Los Angeles RR26009, SDI DDM03 Appendix IX, SDI DDM04

US Patent Pending

For Technical Data and Loads, see Technical Supplement

Warning: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, use this product in dry, interior and noncorrosive environments only.

For more information regarding fastening steel decking, see Technical Supplement.



Quik Guard® Coating

Size	Length (in.)	Hex Head Size (in.)	Washer Dia. (in.)	Threads Per Inch	Point Size	Suitable Material Thickness (in.)	Bulk	
							Carton Qty.	Model No.
#12	1 1⁄4	5⁄16	0.63	24	#5	0.13–0.5	2,000	XLQ114B1224-2K

Strong-Drive® XM MEDIUM-HEAD METAL Screw

Steel decking to structural members involving wide or narrow valley; nestable or interlocking steel decking

Strong-Drive metal screws are load-tested and code-listed, allowing you to get the maximum load values for installation. Comparison testing shows Strong-Drive XM Medium-Head Metal screws are stronger than many alternative fastener types in 33 ksi and 50 ksi steel decking.

Features:

- 5⁄16" hex drive (replacement driver bit — BITHEXR516-134)
- 1⁄2"-dia. hex washer head is ideal for narrow-channel steel decking
- Available only in 1 1⁄4" length with #5 drill point
- Available in Quik Guard coating
- This screw is also available collated for the Quik Drive system; see p. 210 for details

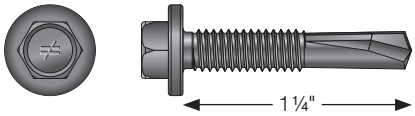
Codes/Standards: IAPMO UES ER-326, FM Approval 3050714, State of Florida FL16937, City of Los Angeles RR26009, SDI DDM04

US Patent Pending

For Technical Data and Loads, see Technical Supplement

Warning: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, use this product in dry, interior and noncorrosive environments only.

For more information regarding fastening steel decking, see Technical Supplement.



Quik Guard® Coating

Size	Length (in.)	Hex Head Size (in.)	Washer Dia. (in.)	Threads Per Inch	Point Size	Suitable Material Thickness (in.)	Bulk	
							Carton Qty.	Model No.
#12	1 1⁄4	5⁄16	0.48	24	#5	0.13–0.5	2,000	XMQ114B1224-2K

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SIMPSON Strong-Tie®

Screws

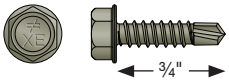
Strong-Drive® XE EXTERIOR STRUCTURAL METAL Screw

For Simpson Strong-Tie® Connectors

Features:

- 5⁄16" hex head (replacement driver bit — BITHEXR516-134)
- 16 threads per inch
- Dual hardened heat treatment improves drilling efficiency, maximizes ductility and reduces the potential for hydrogen embrittlement
- Quik Guard® coated for corrosion protection
- Meets ASTM C1513 drill-time performance
- Only fastener load rated for Simpson Strong-Tie® L70Z and LS70Z connectors for use with Trex® Elevations™ steel deck framing

For Technical Data and Loads, see Technical Supplement



Quik Guard® Coating

Length (in.)	Screw Size/ Nail Gauge	Shank Dia. (in.)	Head Dia. (in.)	Drive	Head Type	Threads	Point	Point Size	Material/ Coating	Package Size	Model No.
3⁄4	#10	0.19	0.4	5⁄16" hex	Hex-washer head	Machine threads	#2 drill point	2	Quik Guard coating	100	XEQ34B1016C
3⁄4	#10	0.19	0.4	5⁄16" hex	Hex-washer head	Machine threads	#2 drill point	2	Quik Guard coating	1,000	XEQ34B1016M

Strong-Drive® Self-Drilling X Metal Screw

Common Applications:

Steel stitching ("side-lap" stitching); cold-formed steel framing

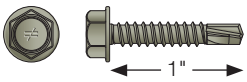
Features:

- 5⁄16" hex head (replacement driver bit — BITHEXR516-134)
- Drill point
- Hex-washer head
- Also available collated for the Quik Drive® system; see p. 211 for details

Codes/Standards: IAPMO UES ER-326, ICC-ES ESR-3006, City of LA RR26009, RR25670, SDI DDM03 Appendix VII and DDM04, State of Florida FL16937

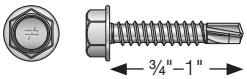
Warning: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, use this product in dry, interior and noncorrosive environments only.

For Technical Data and Loads, see Technical Supplement



Quik Guard Coating

Shank Size	Length (in.)	Threads per Inch	Point Size	Washer Dia. (in.)	Drill-Through Thickness (in.)	Carton Quantity	Model No.
10	1	16	3	0.42	0.11 – 0.18	4,000	XQ1B1016-4K
12	1	14	3	0.42	0.11 – 0.21	3,500	XQ1B1214-3.5K



Clear Zinc Coating

Shank Size	Length (in.)	Threads per Inch	Point Size	Drill-Through Thickness (in.)	Carton Quantity	Model No.
10	3⁄4	16	1	0.03 – 0.11	5,000	XU34B1016-5K
10	3⁄4	16	3	0.11 – 0.18	5,000	X34B1016-5K
10	1	16	3	0.11 – 0.18	4,000	X1B1016-4K
12	1	14	3	0.11 – 0.21	3,500	X1B1214-3.5K

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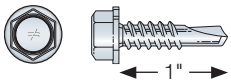
Self-Drilling E Metal Screw

Common Application:
Cold-formed steel framing

Features:
- Hex-washer head
- Clear zinc finish
- Recommended for use with certain Simpson Strong-Tie® connectors
- #3 drill point (max. total drilling thickness 0.35")
- Bit included in each box (replacement driver bit — BITHEXR38-134)

Codes/Standards: ASTM C1513 compliant

For Technical Data and Loads, see Technical Supplement



Clear Zinc Coating

Size	Length (in.)	Hex Head Size (in.)	Threads Per Inch	Head Diameter (in.)	Point Size	Carton Quantity	Model No.
#14	1	⅜	14	0.5	#3	100	E1B1414R100
#14	1	⅜	14	0.5	#3	2,500	E1B1414B

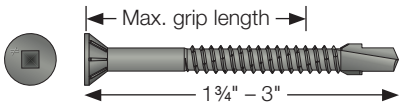
Strong-Drive® TB WOOD-TO-STEEL Screw

Common Applications:
Wood to hot-rolled steel (Maximum recommended thicknesses: 5⁄16")

Features:
- Flat head with nibs for easy countersinking
- #3 square drive (driver bit in each box; replacement bit model BIT3S; use BIT3SU for mechanically galvanized — N2000®)
- #4 drill point with wings
- This screw is also available in collated for the Quik Drive® system; see p. 207 for details

Warning: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, use this product in dry, interior and noncorrosive environments only.

For Technical Data and Loads, see Technical Supplement



Mechanically Galvanized – N2000®

Length (in.)	Max. Grip Length (in.)	Shank Size	Head Dia. (in.)	Threads per Inch	Carton Quantity	Model No.
2⅜	1.65	#12	0.39	14	1,500	TBG1260R1500

Black Phosphate Coating

Length (in.)	Max. Grip Length (in.)	Shank Size	Head Dia. (in.)	Threads per Inch	Carton Quantity	Model No.
1¾	1.06	#12	0.39	14	2,000	TBP1245R2000
1¾	1.06	#12	0.39	14	50	TBP1245R50
2⅜	1.65	#14	0.46	14	1,000	TBP1460R1000
2⅜	1.65	#14	0.46	14	50	TBP1460R50
3	2.24	#14	0.46	14	1,000	TBP1475R1000
3	2.24	#14	0.46	14	50	TBP1475R50

* Grip length includes side member, steel thickness, air gap (if any) and allowance for three threads protruding through the steel.

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SIMPSON Strong-Tie®

Screws

Strong-Drive® PPSD SHEATHING-TO-CFS Screw

Wood Sheathing to Cold-Formed Steel

Common Application:

Subfloor/sheathing to cold-formed steel (#8 — maximum thickness: 54 mil/16 ga.; #10 and #12 — maximum thickness: 97 mil / 12 ga.)

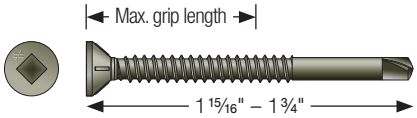
Features:

- Flat head with nibs for easier countersinking
- #3 square drive (replacement bit BIT3SU-2 for Quik Guard® and BIT3S-2 for yellow zinc coating, see p. 105 for more information)
- Fine threads
- Pilot point
- Head diameter meets AISI lateral design standard
- This screw is also available collated for the Quik Drive® system; see p. 209 for details

Codes/Standards: ASTM C1513 compliant; ICC-ES ESR 4208

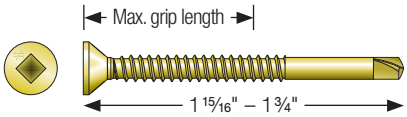
For Technical Data and Loads, see Technical Supplement

Warning: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, use this product in dry, interior and noncorrosive environments only.



Quik Guard® Coating

Shank Size	Length (in.)	Head Diameter (in.)	Point Size	Thread Length (in.)	Max. Grip Length (in.)	Threads per Inch	Carton Quantity	Model No.
#8	1 15/16	0.32	2	1.22	1.03	18	4,000	PPSDQ11516B-4K
#10	1 3/4	0.33	3	0.98	0.77	16	4,000	PPSDQ134B1016-4K
#12	1 3/4	0.33	3	0.99	0.77	14	4,000	PPSDQ134B1214-4K*



Yellow Zinc Coating

Shank Size	Length (in.)	Head Diameter (in.)	Point Size	Thread Length (in.)	Max. Grip Length (in.)	Threads per Inch	Carton Quantity	Model No.
#8	1 15/16	0.32	2	1.22	1.03	18	4,000	PPSD11516B-4K
#10	1 3/4	0.33	3	0.98	0.77	16	4,000	PPSD134B1016-4K
#12	1 3/4	0.33	3	0.99	0.77	14	4,000	PPSD134B1214-4K*

* Has underhead nibs.

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SIMPSON Strong-Tie®

Strong-Drive®
FPHSD FRAMING-TO-CFS Screw

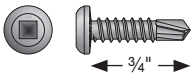
Cold-Formed Steel Framing

Common Application:
Cold-formed steel framing and sheet steel sheathing to cold-formed steel

Features:
- Flat pan head
- #3 square drive (driver bit in each box; replacement bit model BIT3S-2)
- Self-drilling
- This screw is also available collated for the Quik Drive® system; see p. 208 for details

Codes/Standards: ASTM C1513 compliant; ICC-ES ESR 3006

For Technical Data and Loads, see Technical Supplement



Clear Zinc Coating

Size	Length (in.)	Thread Per Inch	Head Diameter (in.)	Point Size	Approx. Count per lb.	1 lb. Model No.	Bulk	
							Carton Quantity	Model No.
#10	¾	16	0.37	#3	165	FPHSD34B1016	5,000	FPHSD34B1016-5K
#12	¾	14	0.37	#3	147	FPHSD34B1214	5,000	FPHSD34B1214-5K

* Has underhead nibs.

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SIMPSON Strong-Tie®

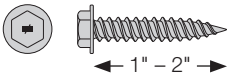
Metal-Panel Screw

Common Applications:

Aluminum agricultural siding panels to wood joists without predrilling

Features:

- Extra-sharp point for quick penetration of aluminum panels without "point walking"
- Twin-lead thread fastens one to three panel thicknesses securely to wood substrate
- ¼" hex drive
- Limited models available in Type 305 stainless steel; call Simpson Strong-Tie for availability (800) 999-5099



Type 316 Stainless Steel

Size	Length (in.)	Head Diameter (in.)	Carton Quantity	Model No.
#9	1	0.40	100	T09100HWHC
#9	1	0.40	1,000	T09100HWHM
#9	1½	0.40	100	T09150HWHC
#9	1½	0.40	1,000	T09150HWHM
#9	2	0.40	1,000	T09200HWHM

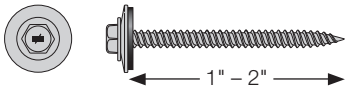
Metal-Panel Screw with EPDM Washer

Common Applications:

Aluminum agricultural siding panels to wood joists without predrilling

Features:

- Extra-sharp point for quick penetration of aluminum panels without "point walking"
- Twin-lead thread fastens one to three panel thicknesses securely to wood substrate
- Type 316 stainless-steel washers
- ¼" hex drive
- Limited models available in Type 305 stainless steel; call Simpson Strong-Tie for availability (800) 999-5099



Type 316 Stainless Steel

Size	Length (in.)	Washer Diameter (in.)	Carton Quantity	Model No.
#9	1	⅝	100	T09100HWAC
#9	1	⅝	1,000	T09100HWAM
#9	1½	⅝	100	T09150HWAC
#9	1½	⅝	1,000	T09150HWAM
#9	2	⅝	100	T09200HWAC
#9	2	⅝	1,000	T09200HWAM

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Self-Drilling Hex-Washer-Head Screw

Common Applications:

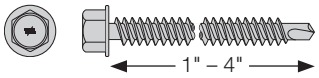
Aluminum and fiberglass fastening *(not steel)*

Features:

- Indented hex-washer head
- Tapping screw thread
- #3 drill point

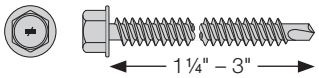
For more information on drilling thickness capacities and drill speed recommendations, see pp. 26–27.

Types 316 and 305 stainless steel provide superior corrosion resistance and are suitable for softer materials such as aluminum and fiberglass (not steel).



Type 316 Stainless Steel

Size	Length (in.)	Hex Head Size (in.)	Threads Per Inch	Carton Quantity	Model No.
#8	1	¼	18	100	T08100HDUC
#8	1	¼	18	1,000	T08100HDUM
#12	1	5⁄16	14	100	T12100HDUC
#12	1	5⁄16	14	1,000	T12100HDUM
#12	1½	5⁄16	14	100	T12150HDUC
#12	1½	5⁄16	14	1,000	T12150HDUM
#12	2	5⁄16	14	100	T12200HDUC
#12	2	5⁄16	14	1,000	T12200HDUM
#12	2½	5⁄16	14	100	T12250HDUC
#12	2½	5⁄16	14	1,000	T12250HDUM
#12	3	5⁄16	14	100	T12300HDUC
#12	3	5⁄16	14	1,000	T12300HDUM
#12	4	5⁄16	14	100	T12400HDUC
#12	4	5⁄16	14	1,000	T12400HDUM



Type 305 Stainless Steel

Size	Length (in.)	Hex Head Size (in.)	Threads Per Inch	Carton Quantity	Model No.
#12	1¼	5⁄16	14	100	S12125HDUC
#12	1¼	5⁄16	14	1,000	S12125HDUM
#12	1½	5⁄16	14	100	S12150HDUC
#12	1½	5⁄16	14	1,000	S12150HDUM
#12	2	5⁄16	14	100	S12200HDUC
#12	2	5⁄16	14	1,000	S12200HDUM
#12	2½	5⁄16	14	100	S12250HDUC
#12	2½	5⁄16	14	1,000	S12250HDUM
#12	3	5⁄16	14	100	S12300HDUC
#12	3	5⁄16	14	1,000	S12300HDUM

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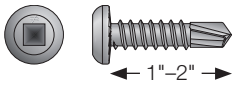
Self-Drilling Flat-Pan-Head Screw

Common Applications:
Aluminum and fiberglass fastening *(not steel)*

Features:
- Fully threaded
- #3 drill point
- #2 square drive (replacement bit BIT2S-2; see p. 105 for more information)



Type 305 Stainless Steel

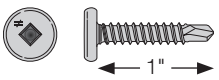
Size	Length (in.)	Threads Per Inch	Head Diameter (in.)	Drill Point Size	Carton Quantity	Model No.
#10	1	16	0.37	#3	25	S10T100PDQ25
#10	1	16	0.37	#3	1,000	S10T100PDM
#10	1¼	16	0.37	#3	25	S10T125P25
#10	1¼	16	0.37	#3	1,000	S10T125PDM
#10	1½	16	0.37	#3	25	S10T150P25
#10	1½	16	0.37	#3	1,000	S10T150PDM
#10	2	16	0.37	#3	25	S10T200P25
#10	2	16	0.37	#3	1,000	S10T200PDM

Self-Drilling Pancake-Head Screw

Common Application:
Ideal for securing clips used in standing-seam-roofing

Features:
- Low-profile head.
- #2 square drive (replacement bit model BIT2S-2; see p. 105 for more information).
- Type 410 stainless steel is coated for additional corrosion protection.
- #2 drill point Type 410 stainless steel can be hardened through heat treatment, giving it the ability to drill through metal. It does not offer the same level of corrosion resistance of either Type 316 or 305 stainless steel.
- **Warning:** Hardened stainless-steel fasteners should not be used with steel framing in environments with high humidity, condensation or other moisture that will be present at the dissimilar-metal interface.

For more information on drilling thickness capacities and drill speed recommendations, see pp. 26–27.



Type 410 Stainless Steel*

Size	Length (in.)	Threads Per Inch	Head Diameter (in.)	Carton Quantity	Model No.
#10	1	16	0.41	100	F10T100PSC
#10	1	16	0.41	1,000	F10T100PSM
#10	1	16	0.41	4,500	F10T100PSB

* These products are subject to quantities on hand or may require special ordering and are subject to minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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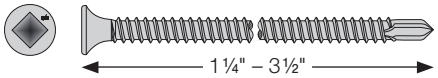
Self-Drilling Bugle-Head Screw

Common Application:
Fasten wood, plywood and OSB panels to steel studs

Features:
- Bugle heads drive flush with work surface.
- #2 square drive (replacement bit BIT2S-2).
- Tapping screw threads.
- #3 drill point.
- Type 410 stainless steel is coated for additional corrosion protection.
- Type 410 stainless steel can be hardened through heat treatment, giving it the ability to drill through metal. It does not offer the same level of corrosion resistance of either Type 316 or 305 stainless steel.
- **Warning:** Hardened stainless-steel fasteners should not be used with steel framing in environments with high humidity, condensation or other moisture that will be present at the dissimilar-metal interface.

For more information on drilling thickness capacities and drill speed recommendations, see pp. 26–27.



Type 410 Stainless Steel*

Size	Length (in.)	Threads Per Inch	Head Diameter (in.)	Carton Quantity	Model No.
#6	1¼	20	0.34	100	F06T125BDC
#6	1¼	20	0.34	1,000	F06T125BDM
#6	1¼	20	0.34	5,000	F06T125BDB
#8	1⅝	18	0.34	100	F08T162BDC
#8	1⅝	18	0.34	1,000	F08T162BDM
#8	1⅝	18	0.34	3,000	F08T162BDB
#8	2	18	0.34	100	F08T200BDC
#8	2	18	0.34	1,000	F08T200BDM
#8	2	18	0.34	2,500	F08T200BDB
#10	2½	16	0.34	100	F10T250BDC
#10	2½	16	0.34	1,000	F10T250BDM
#10	2½	16	0.34	2,000	F10T250BDB
#10	3	16	0.34	100	F10T300BDC
#10	3	16	0.34	1,500	F10T300BDB
#10	3½	16	0.34	100	F10T350BDC
#10	3½	16	0.34	1,000	F10T350BDB

* These products are subject to quantities on hand or may require special ordering and are subject to minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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SIMPSON Strong-Tie®

Self-Drilling Fiber-Cement Screw

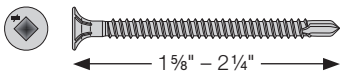
Common Application:

Fasten fiber-cement products through furring strips to steel studs

Features:

- Wafer head, square drive, self-countersinking nibs under the head.
- Threaded to within 5⁄16" of top of head.
- #3 drill point.
- #2 square drive (replacement bit model BIT2S-2; see p. 105 for more information).
- Type 410 stainless steel is coated for additional corrosion protection.
- Type 410 stainless steel can be hardened through heat treatment, giving it the ability to drill through metal. It does not offer the same level of corrosion resistance of either Type 316 or 305 stainless steel.
- **Warning:** Hardened stainless-steel fasteners should not be used with steel framing in environments with high humidity, condensation or other moisture that will be present at the dissimilar-metal interface.

For more information on drilling thickness capacities and drill speed recommendations, see pp. 26–27.



Type 410 Stainless Steel*

Size	Length (in.)	Threads Per Inch	Head Diameter (in.)	Carton Quantity	Model No.
#8	1⅝	18	0.39	100	F08T162WDC
#8	1⅝	18	0.39	1,000	F08T162WDM
#8	1⅝	18	0.39	3,000	F08T162WDB
#8	2¼	18	0.39	100	F08T225WDC
#8	2¼	18	0.39	1,000	F08T225WDM
#8	2¼	18	0.39	2,500	F08T225WDB

* These products are subject to quantities on hand or may require special ordering and are subject to minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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Self-Drilling Flat-Head Screw with Wings

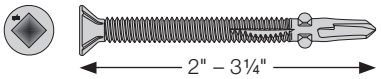
Common Application:

Fasten wood, plywood and fiber-cement products to steel — up to 0.209" thick

Features:

- Flat countersunk head with self-countersinking nibs.
- #3 square drive (replacement bit model BIT3S-2; see p. 105 for more information).
- Machine screw thread, threaded full length.
- Shank slot enhances thread formation in steel and removes exhaust.
- Wings above drill point provide clearance hole in work piece so it won't climb up the shank; wings break off as point engages the steel substrate.
- 2½" length for 2x wood; 2" length for 1" and ¾" boards.
- Type 410 stainless steel is coated for additional corrosion protection.
- Type 410 stainless steel can be hardened through heat treatment, giving it the ability to drill through metal. It does not offer the same level of corrosion resistance of either Type 316 or 305 stainless steel.
- **Warning:** Hardened stainless-steel fasteners should not be used with steel framing in environments with high humidity, condensation or other moisture that will be present at the dissimilar-metal interface.

For more information on drilling thickness capacities and drill speed recommendations, see pp. 26–27.



Type 410 Stainless Steel*

Size	Length (in.)	Threads Per Inch	Head Diameter (in.)	Drill Point Size	Carton Quantity	Model No.
#12	2	24	0.38	#3	100	F12C200FDC
#12	2	24	0.38	#3	1,000	F12C200FDM
#12	2	24	0.38	#3	2,500	F12C200FDB
#12	2½	24	0.38	#3	100	F12C250FDC
#12	2½	24	0.38	#3	1,000	F12C250FDM
#12	2½	24	0.38	#3	1,800	F12C250FDB
#14	3¼	20	0.47	#4	100	F14C325FDC
#14	3¼	20	0.47	#4	1,000	F14C325FDB

* These products are subject to quantities on hand or may require special ordering and are subject to minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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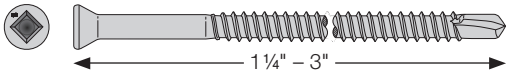
Self-Drilling Siding Screw

Common Application:
Attach wood siding, wood panels and metal trim to steel studs

Features:
- Trim head.
- Threaded ⅔ of overall length.
- #3 drill point.
- #1 square drive (replacement bit model BIT1S-2; see p. 105 for more information).
- 1⅝" models are fully threaded.
- Type 410 stainless steel can be hardened through heat treatment, giving it the ability to drill through metal. It does not offer the same level of corrosion resistance of either Type 316 or 305 stainless steel.
- **Warning:** Hardened stainless-steel fasteners should not be used with steel framing in environments with high humidity, condensation or other moisture that will be present at the dissimilar-metal interface.

For more information on drilling thickness capacities and drill speed recommendations, see pp. 26–27.



Type 410 Stainless Steel*

Size	Length (in.)	Threads Per Inch	Head Diameter (in.)	Approx. Count per lb.	Carton Quantity	Model No.
#7	1⅝	19	0.23	187	100	F07T162TDC
#7	1⅝	19	0.23	187	1,000	F07T162TDM
#7	1⅝	19	0.23	187	5,000	F07T162TDB
#7	2¼	19	0.23	132	100	F07T225TDC
#7	2¼	19	0.23	132	1,000	F07T225TDM
#7	2¼	19	0.23	132	4,000	F07T225TDB
#7	3	19	0.23	105	100	F07T300TDC
#7	3	19	0.23	105	1,000	F07T300TDM
#7	3	19	0.23	105	2,000	F07T300TDB

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Self-Drilling Wafer-Head Screw with Wings

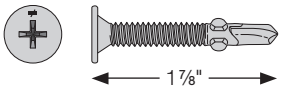
Common Application:

Attach plywood and OSB panels to steel studs

Features:

- #2 Phillips drive.
- Machine-screw thread, threaded full length.
- Wings above drill point provide clearance hole in work piece so it won't climb up the shank; wings break off as point engages the steel substrate.
- #3 drill point.
- Type 410 stainless steel is coated for additional corrosion protection.
- Type 410 stainless steel can be hardened through heat treatment, giving it the ability to drill through metal. It does not offer the same level of corrosion resistance of either Type 316 or 305 stainless steel.
- **Warning:** Hardened stainless-steel fasteners should not be used with steel framing in environments with high humidity, condensation or other moisture that will be present at the dissimilar-metal interface.

For more information on drilling thickness capacities and drill speed recommendations, see pp. 26–27.



Type 410 Stainless Steel*

Size	Length (in.)	Threads Per Inch	Head Diameter (in.)	Carton Quantity	Model No.
#10	1 7/16	24	0.45	100	F10C144WDC
#10	1 7/16	24	0.45	1,000	F10C144WDM
#10	1 7/16	24	0.45	4,500	F10C144WDB

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SIMPSON Strong-Tie®

Self-Drilling Wire-Lath Modified Truss-Head Screw

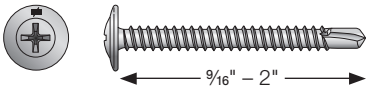
Common Application:

Metal lath to steel studs; corrugated siding panels to steel studs

Features:

- Fasten corrugated siding panels to steel stud without predrilling. Securely fastens one to three panel thicknesses.
- #2 Phillips drive.
- #2 drill point for quick penetration of aluminum panels without "point walking."
- Type 410 stainless steel is coated for additional corrosion protection.
- Type 410 stainless steel can be hardened through heat treatment, giving it the ability to drill through metal. It does not offer the same level of corrosion resistance of either Type 316 or 305 stainless steel.
- **Warning:** Hardened stainless-steel fasteners should not be used with steel framing in environments with high humidity, condensation or other moisture that will be present at the dissimilar-metal interface.

For more information on drilling thickness capacities and drill speed recommendations, see pp. 26–27.



Type 410 Stainless Steel*

Size	Length (in.)	Threads Per Inch	Head Diameter (in.)	Carton Quantity	Model No.
#8	9⁄16	18	0.42	100	F08T056KDC
#8	9⁄16	18	0.42	1,000	F08T056KDM
#8	9⁄16	18	0.42	8,000	F08T056KDB
#8	¾	18	0.42	100	F08T075KDC
#8	¾	18	0.42	1,000	F08T075KDM
#8	¾	18	0.42	6,000	F08T075KDB
#8	1¼	18	0.42	100	F08T125KDC
#8	1¼	18	0.42	1,000	F08T125KDM
#8	1¼	18	0.42	4,000	F08T125KDB
#8	1⅝	18	0.42	100	F08T162KDC
#8	1⅝	18	0.42	1,000	F08T162KDM
#8	1⅝	18	0.42	3,000	F08T162KDB
#8	2	18	0.42	100	F08T200KDC
#8	2	18	0.42	1,000	F08T200KDM
#8	2	18	0.42	2,500	F08T200KDB

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Driver Bits

Our industrial-grade driver bits are specially designed for a secure fit with the recess of Simpson Strong-Tie® fasteners. Available in both square and six-lobe drive configurations, our bits will outperform sub-standard bits commonly prone to cam-out and stripping. **Note:** Undersized bits are designed for use with coated fasteners.

Driver Bits: 6-Lobe

Drive	Bit Length (in.)	Bit Type	Pack Quantity	Model No.
T-15	2	Power bit	3	BIT15T-2-RC3
T-20	2	Auto-set driver	3	BIT20T-PL-RC3
T-20	2	Power bit	3	BIT20T-2-RC3
T-25	2	Power bit	3	BIT25T-2-RC3
T-27	2	Power bit	3	BIT27T-2-RC3
T-30	2	Power bit	3	BIT30T-2-RC3
T-30	2	Undersized power bit (recommended for Quik Stik)	3	BIT30TU-2-RC3
T-40	1¾	Power bit	3	BIT40T-134-RC3
T-50	1¼	Insert bit	1	BIT50T-125-RC1

Driver Bits: Square Drive

Drive	Bit Length (in.)	Bit Type	Pack Quantity	Model No.
#1 SQUARE	2	Power bit	3	BIT1S-2-RC3
#2 SQUARE	2	Power bit	3	BIT2S-2-RC3
#2U SQUARE	2	Undersized power bit	3	BIT2SU-2-RC3
#3 SQUARE	2	Power bit	3	BIT3S-2-RC3
#3U SQUARE	2	Undersized power bit	3	BIT3SU-2-RC3

Driver Bits: Hex Drive

Drive (in.)	Bit Length (in.)	Bit Type	Pack Quantity	Model No.
5⁄16	1¾	Hex power bit	1	BITHEXR516-134
⅜	1¾	Hex power bit	1	BITHEXR38-134
½	1¾	Hex power bit	1	BITHEXR12-134

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Cedar Trim Nail
Nail the
finishing touches.

Nails

Strong-Drive® SCN Smooth-Shank Connector Nail 108
Strong-Drive® SCNR Ring-Shank Connector Nail 109
Premium Siding Nail 110
Premium Common Nail 110
Box Nail — Annular Ring Shank 111
Box Nail — Screw-Shank Nail 111
Cedar and Redwood Decking Nail 112
Wood Siding Nail 113
Cedar Trim Nail 113
Common Nail — Annular Ring Shank 114
Common Nail — Smooth Shank 115
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Roofing Nail — Smooth Shank 125
Tile/Slating Nail — Annular Ring Shank 126
Tile/Slating Nail — Smooth Shank 126
Fencing Staples 127
Hog Rings — Hill Pattern 127

Strong-Drive®
SCN SMOOTH-SHANK CONNECTOR Nail

For Simpson Strong-Tie® Connectors

Simpson Strong-Tie Connector nails are the best choice for Simpson Strong-Tie connectors.

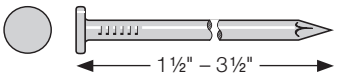
Features:

- Code-compliant hot-dip galvanized
- Head ID stamp for easy identification

See p. 130 for collated Strong-Drive SCN Smooth-Shank Connector nails.

SCN Smooth-Shank Head Stamps

For Technical Data and Loads, see Technical Supplement



Hot-Dip Galvanized – Class D

Diameter x Length (in.)	Head Diameter (in.)	Approx. Count per lb.	1 lb. Model No.	Retail Pack Count	Retail Pack	Mini-Bulk Count	Mini-Bulk
0.131 x 1½	0.28	150	N8	150	N8DHDG-R	750	N8D5HDG-R
0.148 x 1½	0.31	120	N10	120	N10DHDG-R	600	N10D5HDG-R
0.148 x 3	0.31	50	—	50	10DHDG-R	250	10D5HDG-R
0.162 x 3½	0.34	40	—	40	16DHDG-R	200	16D5HDG-R

Hot-dip galvanized per ASTM A153

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Strong-Drive® SCNR RING-SHANK CONNECTOR Nail

For Simpson Strong-Tie® Connectors

Strong-Drive SCNR Ring-Shank Connector nails are the best choice for achieving full load values in stainless steel connectors. Choose Type 316 stainless-steel nails when using stainless-steel connectors.

Features:

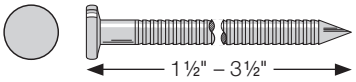
- Head ID stamp for easy identification
- Type 316 stainless steel for use with stainless-steel connectors
- Use stainless-steel ring-shank nails for full connector loads

See p. 131 for collated Strong-Drive SCNR Ring-Shank Connector nails.

8	8	10	10d	16d
0.131" x 1½"	0.131" x 2½"	0.148" x 1½"	0.148" x 3"	0.162" x 3½"

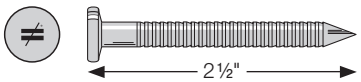
SCNR Ring-Shank Head Stamps

For Technical Data and Loads, see Technical Supplement



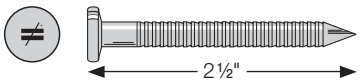
Type 316 Stainless Steel

Diameter x Length (in.)	Gauge	Head Diameter (in.)	Approx. Count per lb.	1 lb. Model No.	Retail Pack Count	Retail Pack	Mini-Bulk Count	Mini-Bulk	Bulk Count	Bulk Model No.
0.131 x 1½	10	0.28	150	SSNA8	150	SSNA8D	750	SSNA8D5	3,750	SSNA8DB
0.131 x 2½	10	0.28	90	SSA8D	90	SSA8DD	450	SSA8D5	2,250	SSA8DB
0.148 x 1½	9	0.31	120	SSNA10	120	SSNA10D	600	SSNA10D5	3,000	SSNA10DB
0.148 x 3	9	0.31	50	SSA10D	50	SSA10DD	250	SSA10D5	1,250	SSA10DB
0.162 x 3½	8	0.34	40	SSA16D	40	SSA16DD	200	SSA16D5	1,000	SSA16DB



Hot-Dip Galvanized – Class D

Diameter x Length (in.)	Gauge	Head Diameter (in.)	Approx. Count per lb.	1 lb. Model No.	1 lb. Box Model No.	Approx. 5 lb. Count	5 lb. Box Model No.	Approx. 25 lb. Count	25 lb. Box Model No.
0.250 x 2½	3½	0.50	27	N54AHDG — Sold by the pound					



Bright

Diameter x Length (in.)	Gauge	Head Diameter (in.)	Approx. Count per lb.	1 lb. Model No.	1 lb. Box Model No.	Approx. 5 lb. Count	5 lb. Box Model No.	Approx. 25 lb. Count	25 lb. Box Model No.
0.250 x 2½	3½	0.50	27	N54A — Sold by the pound					

Bright nails are not for use in exterior or preservative-treated wood applications.

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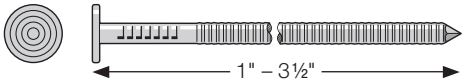
SIMPSON Strong-Tie®

Premium Siding Nail

Common Application:
Siding in severe-exposure environments

Features:
- Type 316 stainless steel for seaside applications and severe-exposure environments
- Passivated to ensure corrosion resistance
- Circle pattern head reduces glare and accepts surface finishes
- Annular ring shank increases pull-out resistance, provides greater holding power
- Blunt diamond point drives true and reduces board splitting



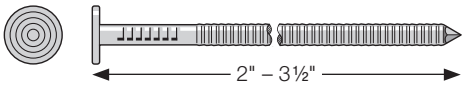
Type 316 Stainless Steel

Penny Size	Length (in.)	Wire Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
2d	1	15	0.072	5/32	0.156	807	T2KR51	T2KR55	T2KR5B
2d	1	14	0.083	7/32	0.219	530	T2KR71	T2KR75	—
3d	1¼	14	0.083	5/32	0.156	495	T3KR51	T3KR55	T3KR5B
3d	1¼	14	0.083	7/32	0.219	470	T3KR71	T3KR75	T3KR7B
4d	1½	14	0.083	5/32	0.156	398	T4KR51	T4KR55	T4KR5B
4d	1½	14	0.083	7/32	0.219	394	T4KR71	T4KR75	T4KR7B
5d	1¾	14	0.083	5/32	0.156	354	T5KR51	T5KR55	T5KR5B
5d	1¾	14	0.083	7/32	0.219	337	T5KR71	T5KR75	T5KR7B
6d	2	14	0.083	5/32	0.156	402	T6KR51	T6KR55	T6KR5B
6d	2	13	0.092	7/32	0.219	261	T6KR71	T6KR75	T6KR7B
7d	2¼	13	0.092	5/32	0.156	215	T7KR51	T7KR55	T7KR5B
7d	2¼	13	0.092	7/32	0.219	216	T7KR71	T7KR75	T7KR7B
8d	2½	13	0.092	5/32	0.156	196	T8KR51	T8KR55	T8KR5B
8d	2½	13	0.092	7/32	0.219	196	T8KR71	T8KR75	T8KR7B
10d	3	12	0.113	7/32	0.219	120	T10KR71	T10KR75	T10KR7B
16d	3½	11	0.120	¼	0.250	88	T16KR41	T16KR45	T16KR4B

Premium Common Nail

Common Application:
Fastening in severe-exposure environments

Features:
- Type 316 stainless steel for seaside applications and severe-exposure environments
- Passivated to ensure corrosion resistance
- Circle pattern head reduces glare and accepts surface finishes
- Annular ring shank increases pull-out resistance, provides greater holding power
- Blunt diamond point drives true and reduces board splitting



Penny Size	Length (in.)	Wire Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
6d	2	11	0.120	17/64	0.266	144	T6AKR1	T6AKR5	T6AKRB
8d	2½	10	0.131	9/32	0.281	94	T8AKR1	T8AKR5	T8AKRB
10d	3	9	0.148	5/16	0.312	67	T10AKR1**	T10AKR5**	T10AKRB**
12d	3¼	9	0.148	5/16	0.312	60	T12AKR1*	T12AKR5*	T12AKRB*
16d	3½	8	0.162	11/32	0.344	44	T16AKR1*	T16AKR5*	T16AKRB*

*Complies with ASTM F1667 specifications for post-frame ring-shank nails.
**Complies with ASTM F1667 specifications for roof-sheathing ring-shank nails.

These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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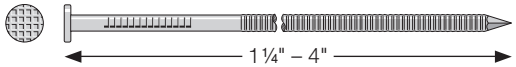
Box Nail — Annular Ring Shank

Features:

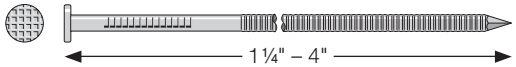
- Checker pattern on head blends with wood grain, reduces glare from sunlight and accepts surface finishes
- Annular ring shank increases withdrawal resistance to provide a secure attachment
- Stainless-steel nails are recommended for construction of permanent wood foundations by the *ANSI/AF&PA Permanent Wood Foundations Design Specifications*
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance



Type 316 Stainless Steel

Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
3d	1¼	14	0.083	7/32	0.219	473	—	—	T3ABNB
4d	1½	14	0.083	7/32	0.219	413	T4ABN1	T4ABN5	—
5d	1¾	13	0.092	13/64	0.203	260	T5ABN1	T5ABN5	T5ABNB
6d	2	12	0.113	17/64	0.266	175	T6ABN1	T6ABN5	T6ABNB
8d	2½	12	0.113	17/64	0.266	138	T8ABN1	T8ABN5	T8ABNB
10d	3	11	0.120	17/64	0.266	99	T10ABN1	T10ABN5	T10ABNB
12d	3¼	10	0.131	9/32	0.281	72	T12ABN1	T12ABN5	—
16d	3½	10	0.131	9/32	0.281	67	T16ABN1	T16ABN5	T16ABNB
20d	4	8	0.162	11/32	0.344	40	—	—	T20ABNB*

*Complies with ASTM F1667 specifications for post-frame ring-shank nails.



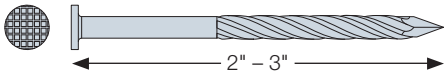
Type 304 Stainless Steel

Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
3d	1¼	14	0.083	7/32	0.219	473	S3ABN1	S3ABN5	S3ABNB
4d	1½	14	0.083	7/32	0.219	413	S4ABN1	S4ABN5	S4ABNB
5d	1¾	13	0.092	13/64	0.203	260	S5ABN1	S5ABN5	S5ABNB
6d	2	12	0.113	17/64	0.266	175	S6ABN1	S6ABN5	S6ABNB
8d	2½	12	0.113	17/64	0.266	138	S8ABN1	S8ABN5	S8ABNB
10d	3	11	0.120	17/64	0.266	99	S10ABN1	S10ABN5	S10ABNB
12d	3¼	10	0.131	9/32	0.281	72	S12ABN1	S12ABN5	S12ABNB
16d	3½	10	0.131	9/32	0.281	67	S16ABN1	S16ABN5	S16ABNB

Box Nail — Screw-Shank Nail

Features:

- Checker pattern head blends with wood grain, reduces glare from sunlight and accepts surface finishes
- Screw shank increases withdrawal resistance to provide a secure attachment
- Stainless steel nails are recommended for construction of permanent wood foundations by the *ANSI/AF&PA Permanent Wood Foundations Design Specifications*
- Type 316 stainless steel



Type 316 Stainless Steel

Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
6d	2	12	0.113	17/64	0.266	175	T6SBX1	T6SBX5	T6SBXB
8d	2½	12	0.113	17/64	0.266	138	T8SBX1	T8SBX5	T8SBXB
10d	3	11	0.12	17/64	0.266	99	T10SPBX1	T10SPBX5	T10SPBXB

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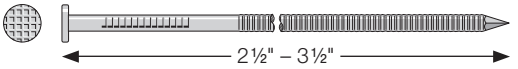
Cedar and Redwood Decking Nail

Features:

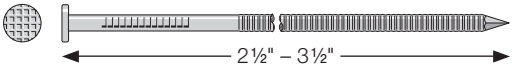
- Smaller compact heads are less visible
- Checker pattern on head blends with wood grain and reduces glare from sunlight
- Annular ring shank increases pull-out resistance to help prevent nail heads from popping up over time
- Slender shank permits nailing at board ends with reduced splitting
- Diamond point for easier driving
- Available in three colors: Gray, Redwood and Tan
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance
- Hammer caps recommended for painted-head nails

Type 316 Stainless Steel



Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Color	Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
8d	2½	12	0.113	7/32	0.219	Non-painted	145	T8CRD1	T8CRD5	T8CRDB
10d	3	12	0.113	7/32	0.219	Non-painted	120	T10CRD1	T10CRD5	—
12d	3¼	12	0.113	7/32	0.219	Non-painted	110	T12CRD1	T12CRD5	—

Type 304 Stainless Steel



Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Color	Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
8d	2½	12	0.113	7/32	0.219	Non-painted	145	S8CRD1	S8CRD5	S8CRDB
10d	3	12	0.113	7/32	0.219	Non-painted	120	S10CRD1	S10CRD5	S10CRDB

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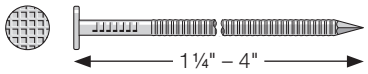
Wood Siding Nail

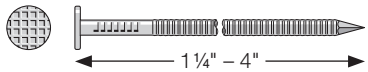
Features:

- Checker pattern on head blends with wood grain, reduces glare from sunlight and accepts surface finishes
- Annular ring shank increases pull-out resistance to provide a secure attachment that reduces cupping of siding boards
- Diamond point for easier driving
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance



Type 316 Stainless Steel

Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
3d	1¼	14	0.083	5/32	0.156	495	T3SND1	T3SND5	T3SNDB
4d	1½	14	0.083	5/32	0.156	398	T4SND1	T4SND5	T4SNDB
5d	1¾	14	0.083	5/32	0.156	354	T5SND1	T5SND5	T5SNDB
6d	2	13	0.092	5/32	0.156	245	T6SND1	T6SND5	T6SNDB
7d	2¼	13	0.092	5/32	0.156	215	T7SND1	T7SND5	T7SNDB
8d	2½	13	0.092	5/32	0.156	196	T8SND1	T8SND5	T8SNDB
10d	3	12	0.113	7/32	0.219	120	T10SND1	T10SND5	T10SNDB
12d	3¼	12	0.113	7/32	0.219	110	—	—	T12SNDB
16d	3½	11	0.120	¼	0.250	88	—	T16SND5	T16SNDB



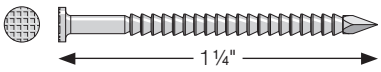
Type 304 Stainless Steel

Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
3d	1¼	14	0.083	5/32	0.156	495	S3SND1	S3SND5	S3SNDB
4d	1½	14	0.083	5/32	0.156	398	S4SND1	S4SND5	S4SNDB
5d	1¾	13	0.092	5/32	0.156	260	SP5SND1	SP5SND5	SP5SNDB
5d	1¾	14	0.083	5/32	0.156	354	S5SND1	S5SND5	S5SNDB
6d	2	13	0.092	5/32	0.156	245	S6SND1	S6SND5	S6SNDB
7d	2¼	13	0.092	5/32	0.156	215	S7SND1	S7SND5	S7SNDB
8d	2½	13	0.092	5/32	0.156	196	S8SND1	S8SND5	S8SNDB
10d	3	12	0.113	7/32	0.219	120	S10SND1	S10SND5	S10SNDB
12d	3¼	12	0.113	7/32	0.219	110	S12SND1	S12SND5	S12SNDB
16d	3½	11	0.120	¼	0.250	88	S16SND1	S16SND5	S16SNDB
20d	4	10	0.131	¼	0.250	74	S20SND1	S20SND5	S20SNDB

Cedar Trim Nail

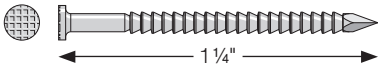
Features:

- Designed to fashion woven corners
- Ultra-thin 0.072"-wire diameter
- Unobtrusive 0.135"-diameter head
- Blunt diamond point minimizes shingle splitting
- Annular ring-shank thread
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance



Type 316 Stainless Steel

Penny Size	Length (in.)	Wire Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.
3d	1¼	15	0.072	9/64	0.141	550	T3ACDRWVR1	T3ACDRWVR5



Type 304 Stainless Steel

Penny Size	Length (in.)	Wire Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Model No.
3d	1¼	15	0.072	9/64	0.141	550	S3ACDRWVR1	S3ACDRWVR5	—
5d	1¾	15	0.072	9/64	0.141	550	—	—	S5ACDRWVRB

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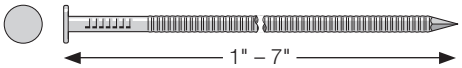
SIMPSON Strong-Tie®

Common Nail — Annular Ring Shank

Features:

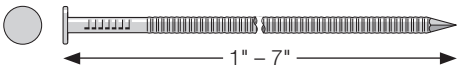
- Annular ring shank increases withdrawal resistance to provide a secure attachment
- Stainless-steel nails are recommended for construction of permanent wood foundations by the *ANSI/AF&PA Permanent Wood Foundations Design Specifications*
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance



Type 316 Stainless Steel

Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
2d	1	15	0.072	3/16	0.188	807	T2ACN1	—	T2ACNB
3d	1¼	14	0.083	7/32	0.219	473	T3ACN1	T3ACN5	T3ACNB
4d	1½	12	0.113	¼	0.250	228	T4ACN1	T4ACN5	T4ACNB
4d	1½	9	0.148	5/16	0.313	130	T4HACN1	T4HACN5	T4HACNB
5d	1¾	12	0.113	¼	0.250	193	T5ACN1	—	T5ACNB
6d	2	11	0.120	17/64	0.266	144	T6ACN1	T6ACN5	T6ACNB
7d	2¼	11	0.120	17/64	0.266	133	—	—	T7ACNB
8d	2½	10	0.131	9/32	0.281	94	T8ACN1**	T8ACN5**	T8ACNB**
10d	3	9	0.148	5/16	0.313	67	T10ACN1*	T10ACN5*	T10ACNB*
12d	3¼	9	0.148	5/16	0.313	60	T12ACN1*	T12ACN5*	T12ACNB*
16d	3½	8	0.162	11/32	0.344	44	T16ACN1	T16ACN5	T16ACNB
20d	4	6	0.203	7/16	0.438	25	T20ACN1	T20ACN5	T20ACNB
30d	4½	6	0.203	7/16	0.438	22	—	—	T30ACNB
40d	5	6	0.203	7/16	0.438	19	T40ACN1	T40ACN5	T40ACNB
60d	6	4	0.238	15/32	0.469	12	—	—	T60ACNB*

*Complies with ASTM F1667 specifications for post-frame ring-shank nails.
**Complies with ASTM F1667 specifications for roof-sheathing ring-shank nails.



Type 304 Stainless Steel

Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
2d	1	15	0.072	3/16	0.188	807	S2ACN1	S2ACN5	S2ACNB
2d	1	14	0.083	7/32	0.219	530	S2HACN1	—	S2HACNB
3d	1¼	14	0.083	7/32	0.219	473	S3ACN1	S3ACN5	S3ACNB
4d	1½	12	0.113	¼	0.250	228	S4ACN1	S4ACN5	S4ACNB
5d	1¾	12	0.113	¼	0.250	193	S5ACN1	S5ACN5	S5ACNB
6d	2	11	0.120	17/64	0.266	144	S6ACN1	S6ACN5	S6ACNB
7d	2¼	11	0.120	17/64	0.266	133	S7ACN1	S7ACN5	—
8d	2½	10	0.131	9/32	0.281	94	S8ACN1**	S8ACN5**	S8ACNB**
10d	3	9	0.148	5/16	0.313	67	S10ACN1*	S10ACN5*	S10ACNB*
12d	3¼	9	0.148	5/16	0.313	60	S12ACN1*	S12ACN5*	S12ACNB*
16d	3½	8	0.162	11/32	0.344	44	S16ACN1	S16ACN5	S16ACNB
20d	4	6	0.203	7/16	0.438	25	S20ACN1	S20ACN5	S20ACNB
30d	4½	6	0.203	7/16	0.438	22	S30ACN1	S30ACN5	S30ACNB
40d	5	6	0.203	7/16	0.438	19	S40ACN1	S40ACN5	S40ACNB
60d	6	4	0.238	15/32	0.469	12	—	—	S60ACNB*

*Complies with ASTM F1667 specifications for post-frame ring-shank nails.
**Complies with ASTM F1667 specifications for roof-sheathing ring-shank nails.

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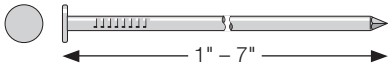
Common Nail — Smooth Shank

Features:

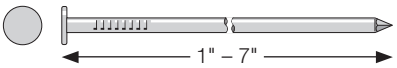
- Stainless-steel nails are recommended for construction of permanent wood foundations by the *ANSI/AF&PA Permanent Wood Foundations Design Specifications*
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

Type 316 Stainless Steel



Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
4d	1½	12	0.113	¼	0.250	228	T4CN1	—	T4CNB
6d	2	11	0.120	17/64	0.266	144	T6CN1	—	T6CNB
7d	2¼	11	0.120	17/64	0.266	133	T7CN1	—	—
8d	2½	10	0.131	9/32	0.281	94	T8CN1	—	T8CNB
10d	3	9	0.148	5/16	0.313	67	T10CN1	T10CN5	T10CNB
16d	3½	8	0.162	11/32	0.344	44	T16CN1	T16CN5	T16CNB
20d	4	6	0.203	7/16	0.438	25	T20CN1	—	—
40d	5	6	0.203	7/16	0.438	19	—	—	T40CNB

Type 304 Stainless Steel



Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
2d	1	15	0.072	3/16	0.188	807	S2CN1	—	S2CNB
3d	1¼	14	0.083	7/32	0.219	473	S3CN1	—	S3CNB
4d	1½	12	0.113	¼	0.250	228	S4CN1	S4CN5	S4CNB
4d	1½	9	0.148	5/16	0.313	130	S4HCN1	S4HCN5	S4HCNB
6d	2	11	0.120	17/64	0.266	144	S6CN1	S6CN5	S6CNB
8d	2½	10	0.131	9/32	0.281	94	S8CN1	S8CN5	S8CNB
10d	3	9	0.148	5/16	0.313	67	S10CN1	S10CN5	S10CNB
16d	3½	8	0.162	11/32	0.344	44	S16CN1	S16CN5	S16CNB
20d	4	6	0.203	7/16	0.438	25	S20CN1	S20CN5	S20CNB
40d	5	6	0.203	7/16	0.438	19	—	—	S40CNB

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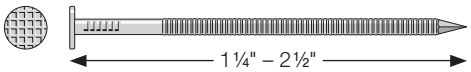
Fiber-Cement Siding Nail

Features:

- Designed expressly for application of various lap and panel siding materials made of fiber-cement composites
- Checker pattern on head blends with faux wood grain, reduces glare from sunlight and accepts surface finishes
- Annular ring shank increases withdrawal resistance to provide a secure attachment
- 1¼" length has an 11/32" head for blind-nailing lap siding
- Diamond point for easier driving
- Recommended for seaside applications and superior corrosion resistance



Type 316 Stainless Steel

Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
3d	1¼	11	0.120	11/32	0.344	199	T3PCS1	—	T3PCSB
4d	1½	11	0.120	9/32	0.281	179	T4PCS1	T4PCS5	T4PCSB
6d	2	11	0.120	9/32	0.281	144	T6PCS1	T6PCS5	T6PCSB
8d	2½	11	0.120	9/32	0.281	115	T8PCS1**	T8PCS5**	T8PCSB**

**Complies with ASTM F1667 specifications for roof-sheathing ring-shank nails.

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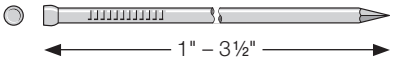
Finishing Nail

Features:

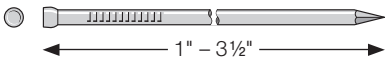
- Brad head for a less-visible appearance
- Smooth shank, diamond point for easier driving
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

Type 316 Stainless Steel



Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
2d	1	15	0.072	6/55	0.109	863	T2FN1	—	T2FNB
3d	1¼	15	0.072	6/55	0.109	649	T3FN1	T3FN5	T3FNB
4d	1½	14	0.083	3/25	0.120	434	T4FN1	T4FN5	T4FNB
5d	1¾	14	0.083	3/25	0.120	375	T5FN1	—	—
6d	2	13	0.092	5/37	0.135	247	T6FN1	T6FN5	T6FNB
8d	2½	12	0.113	4/27	0.148	146	T8FN1	T8FN5	T8FNB
10d	3	11	0.120	16/97	0.165	102	T10FN1	—	T10FNB
12d	3¼	11	0.120	16/97	0.165	97	T12FN1	T12FN5	—
16d	3½	11	0.120	16/97	0.165	86	T16FN1	T16FN5	T16FNB

Type 304 Stainless Steel



Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
2d	1	15	0.072	6/55	0.109	863	S2FN1	—	S2FNB
3d	1¼	15	0.072	6/55	0.109	649	S3FN1	S3FN5	S3FNB
4d	1½	14	0.083	3/25	0.120	434	S4FN1	S4FN5	S4FNB
5d	1¾	14	0.083	3/25	0.120	375	S5FN1	—	S5FNB
6d	2	13	0.092	5/37	0.135	247	S6FN1	S6FN5	S6FNB
8d	2½	12	0.113	4/27	0.148	146	S8FN1	S8FN5	S8FNB
10d	3	11	0.120	16/97	0.165	102	S10FN1	S10FN5	S10FNB
12d	3¼	11	0.120	16/97	0.165	97	—	—	S12FNB
16d	3½	11	0.120	16/97	0.165	86	S16FN1	S16FN5	S16FNB

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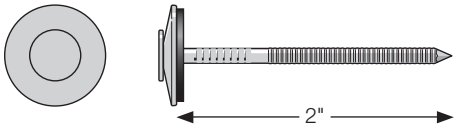
SIMPSON Strong-Tie®

Nail with EPDM Washer — Annular Ring Shank

Features:

- Smooth head
- Washers are made from Types 316 stainless steel with bonded EPDM washer to provide a weather-resistant seal for exterior sheathing and roofing applications
- Annular ring shanks increase withdrawal resistance to provide a secure attachment



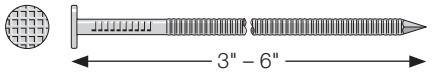
Type 316 Stainless Steel

Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Washer Diameter (in.)	1,000 count Model No.
6d	2	10	0.131	0.625	T10A200X07

Post and Beam Nail — Annular Ring Shank

Features:

- Checker pattern on head blends with wood grain, reduces glare from sunlight and accepts surface finishes
- Annular ring shank increases withdrawal resistance to provide a secure attachment
- Stainless-steel nails are recommended for construction of permanent wood foundations by the *ANSI/AF&PA Permanent Wood Foundations Design Specifications*



Type 304 Stainless Steel

Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	25 lb. Bucket Model No.
10d	3	10	0.131	9/32	0.281	79	S10APBB**
16d	3½	9	0.148	5/16	0.313	56	S16APBB*
20d	4	8	0.162	11/32	0.344	40	S20APBB*
30d	4½	8	0.162	11/32	0.344	35	S30APBB*
40d	5	8	0.162	11/32	0.344	31	S40APBB*
60d	6	6	0.203	7/16	0.438	17	S60APBB*

*Complies with ASTM F1667 specifications for post-frame ring-shank nails.
**Complies with ASTM F1667 specifications for roof-sheathing ring-shank nails.

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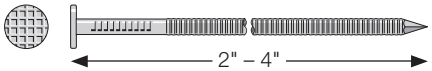
Preservative-Treated Wood Decking Nail

Features:

- Ideal for decks and docks
- Checker pattern on head blends with wood grain and reduces glare from sunlight
- Annular ring shank increases withdrawal resistance to help prevent nail heads from popping up over time
- Larger shank diameter easily penetrates both green and seasoned preservative-treated pine
- Diamond point for easier driving
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

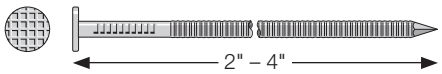
Type 316 Stainless Steel



Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
4d	1½	12	0.113	¼	0.250	228	—	—	T4PTDB
6d	2	11	0.120	9/32	0.281	144	—	—	T6PTDB
8d	2½	11	0.120	9/32	0.281	115	T8PTD1**	T8PTD5**	T8PTDB**
8d	2½	10	0.131	9/32	0.281	94	T8HPTD1**	T8HPTD5**	T8HPTDB**
10d	3	10	0.131	9/32	0.281	79	T10PTD1**	T10PTD5**	T10PTDB**
10d	3	9	0.148	5/16	0.313	67	T10HPTD1*	T10HPTD5*	T10HPTDB*
12d	3¼	9	0.148	5/16	0.313	60	T12PTD1*	T12PTD5*	T12PTDB*
16d	3½	9	0.148	5/16	0.313	56	T16PTD1*	T16PTD5*	T16PTDB*
16d	3½	8	0.162	11/32	0.344	44	T16HPTD1*	T16HPTD5*	T16HPTDB*
20d	4	8	0.162	11/32	0.344	40	T20PTD1*	T20PTD5*	T20PTDB*
20d	4	6	0.203	7/16	0.438	25	—	—	T20HPTDB*

*Complies with ASTM F1667 specifications for post-frame ring-shank nails.
**Complies with ASTM F1667 specifications for roof-sheathing ring-shank nails.

Type 304 Stainless Steel



Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
6d	2	11	0.120	9/32	0.281	144	S6PTD1	S6PTD5	S6PTDB
8d	2½	11	0.120	9/32	0.281	115	S8PTD1**	S8PTD5**	S8PTDB**
8d	2½	10	0.131	9/32	0.281	94	S8HPTD1**	S8HPTD5**	S8HPTDB**
10d	3	10	0.131	9/32	0.281	79	S10PTD1**	S10PTD5**	S10PTDB**
10d	3	9	0.148	5/16	0.313	67	S10HPTD1*	S10HPTD5*	S10HPTDB*
12d	3¼	9	0.148	5/16	0.313	60	S12PTD1*	S12PTD5*	S12PTDB*
16d	3½	9	0.148	5/16	0.313	56	S16PTD1*	S16PTD5*	S16PTDB*
16d	3½	8	0.162	11/32	0.344	44	S16HPTD1*	S16HPTD5*	S16HPTDB*
20d	4	8	0.162	11/32	0.344	40	S20PTD1*	S20PTD5*	S20PTDB*
20d	4	6	0.203	7/16	0.438	25	—	—	S20HPTDB*

*Complies with ASTM F1667 specifications for post-frame ring-shank nails.
**Complies with ASTM F1667 specifications for roof-sheathing ring-shank nails.

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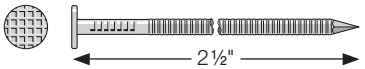
Painted Siding Nail

Features:

- Premium-quality nails for cedar, redwood and cypress siding materials
- Durable painted finish helps heads blend with siding material
- Checker pattern on head blends with wood texture
- Annular ring shank increases withdrawal resistance to provide a secure attachment
- Slender gauge and diamond point for easier driving
- Custom colors available upon request (minimums apply) — call for details
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance
- Hammer caps recommended for painted-head nails

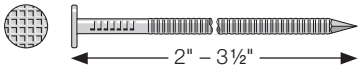
Type 316 Stainless Steel



Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Color	Approx. Count per lb.	1 lb. Model No.	25 lb. Bucket Model No.
8d	2½	13	0.092	5⁄32	0.156	White	196	T8SNDW1	T8SNDWB

White

Type 304 Stainless Steel



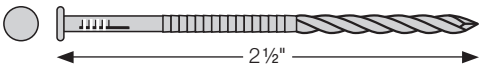
Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Color	Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
6d	2	13	0.092	5⁄32	0.156	White	245	S6SNDW1	S6SNDW5	—
8d	2½	13	0.092	5⁄32	0.156	White	196	S8SNDW1	S8SNDW5	—
10d	3	12	0.113	7⁄32	0.219	Dark Brown	120	S10SNDB1	S10SNDB5	—
10d	3	12	0.113	7⁄32	0.219	Redwood	120	S10SNDR1	—	S10SNDRB
10d	3	12	0.113	7⁄32	0.219	Tan	120	S10SNDT1	S10SNDT5	—
10d	3	12	0.113	7⁄32	0.219	White	120	—	—	S10SNDWB
16d	3½	11	0.120	¼	0.250	Dark Brown	88	S16SNDB1	S16SNDB5	—
16d	3½	11	0.120	¼	0.250	Redwood	88	S16SNDR1	S16SNDR5	S16SNDRB
16d	3½	11	0.120	¼	0.250	Sienna	88	S16SNDS1	S16SNDS5	—
16d	3½	11	0.120	¼	0.250	Tan	88	S16SNDT1	S16SNDT5	S16SNDTB

Dark Brown, Sienna, Redwood, Tan, White

PVC Trim-Board Nail

Specifically designed for use with PVC trim board. The spiral shank beginning of the nail allows the nail to smoothly work itself into the board. The ring-shank provides holding power. Ring-shank nails can burst the back of the trim board leading to an unsatisfactory fit, while smooth-shank nails and trim nails do not have the same holding power. The PVC trim-board nail is the best of both worlds.

Type 316 Stainless Steel



Penny Size	Length (in.)	Screw Size/ Nail Gauge	Shank Dia. (in.)	Head Dia. (in.)	Shank	Head Type	Point	Count per lb. (approx)	Package Size	Model No.
8d	2½	13	0.092	0.21	Spiral/ring shank	Checkered head	Diamond point	196	1,000	T8VTN1000

White

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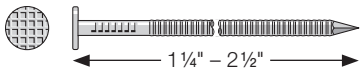
Shake and Shingle Siding/Roofing Nail

Features:

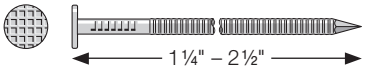
- 7⁄32"-diameter flat head provides ample bearing surface to firmly secure shakes and shingles of all types
- Checker pattern on head blends with wood grain, reduces glare from sunlight and accepts surface finishes
- Annular ring-shank increases withdrawal resistance to provide a secure attachment
- Slender shanks minimize splitting
- Diamond point for easier driving
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

Type 316 Stainless Steel



Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
3d	1¼	14	0.083	7⁄32	0.219	470	T3SN71	—	T3SN7B
4d	1½	14	0.083	7⁄32	0.219	394	T4SN71	T4SN75	T4SN7B
5d	1¾	14	0.083	7⁄32	0.219	337	T5SN71	T5SN75	T5SN7B
6d	2	13	0.092	7⁄32	0.219	237	T6SN71	T6SN75	T6SN7B
7d	2¼	13	0.092	7⁄32	0.219	216	—	T7SN75	T7SN7B
8d	2½	13	0.092	7⁄32	0.219	196	T8SN71	T8SN75	T8SN7B

Type 304 Stainless Steel



Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
3d	1¼	14	0.083	7⁄32	0.219	470	S3SN71	S3SN75	S3SN7B
4d	1½	14	0.083	7⁄32	0.219	394	S4SN71	S4SN75	S4SN7B
5d	1¾	14	0.083	7⁄32	0.219	337	S5SN71	S5SN75	S5SN7B
6d	2	13	0.092	7⁄32	0.219	237	S6SN71	S6SN75	S6SN7B
7d	2¼	13	0.092	7⁄32	0.219	216	S7SN71	S7SN75	S7SN7B
8d	2½	13	0.092	7⁄32	0.219	196	S8SN71	S8SN75	S8SN7B

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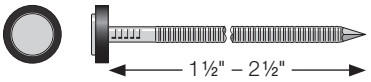
Washered Roofing Nail

Features:

- Heavy EPDM washer provides a weather-proof seal (9⁄16" OD x 1⁄8" thick)
- Recommended fastener for installation of corrugated-panel roofing as well as sheet-metal roofing and siding in corrosive environments
- Annular ring shank increases withdrawal resistance to provide a secure attachment to wood members



Type 304 Stainless Steel

Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	5 lb. Model No.	25 lb. Bucket Model No.
4d	1 1⁄2	10	0.131	3⁄8	0.375	113	—	S10150RNWB
5d	1 3⁄4	10	0.131	3⁄8	0.375	105	S10175RNW5	S10175RNWB
6d	2	10	0.131	3⁄8	0.375	98	—	S10200RNWB
8d	2 1⁄2	10	0.131	3⁄8	0.375	83	S10250RNW5	S10250RNWB

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Roofing Nail — Annular Ring Shank

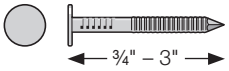
Features:

- Large, flat head provides extra bearing surface to firmly secure roofing material
- Annular ring shank increases withdrawal resistance to provide a secure attachment to wood members and plywood roof decks
- Longer lengths ideal for installing curved Spanish roof tiles and thicker slate
- Aluminum nails also available with a screw shank; call Simpson Strong-Tie for details (800) 999-5099

Installation Tips:

- For slate roofs, determine the correct nail length by doubling the slate thickness and adding one inch

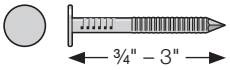
Type 316 Stainless Steel



Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
—	¾	10	0.131	⅜	0.375	281	T7510ARN1	T7510ARN5	T7510ARNB
2d	1	10	0.131	⅜	0.375	212	T210ARN1	T210ARN5	T210ARNB
3d	1¼	10	0.131	⅜	0.375	166	T310ARN1	T310ARN5	T310ARNB
3d	1¼	11	0.120	11⁄32	0.344	199	T311ARN1	—	T311ARNB
4d	1½	10	0.131	⅜	0.375	139	T410ARN1	T410ARN5	T410ARNB
4d	1½	11	0.120	11⁄32	0.344	170	T411ARN1	T411ARN5	T411ARNB
5d	1¾	10	0.131	⅜	0.375	126	T510ARN1	T510ARN5	T510ARNB
6d	2	10	0.131	⅜	0.375	105	T610ARN1	T610ARN5	T610ARNB
8d	2½	10	0.131	⅜	0.375	91	T810ARN1**	T810ARN5**	T810ARNB**
10d	3	10	0.131	⅜	0.375	78	T1010ARN1**	T1010ARN5**	T1010ARNB**

**Complies with ASTM F1667 specifications for roof-sheathing ring-shank nails.

Type 304 Stainless Steel



Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
—	¾	10	0.131	⅜	0.375	281	S7510ARN1	S7510ARN5	S7510ARNB
2d	1	10	0.131	⅜	0.375	212	S210ARN1	S210ARN5	S210ARNB
3d	1¼	10	0.131	⅜	0.375	166	S310ARN1	S310ARN5	S310ARNB
3d	1¼	11	0.120	⅜	0.375	199	—	S311ARN5	S311ARNB
4d	1½	10	0.131	⅜	0.375	139	S410ARN1	S410ARN5	S410ARNB
4d	1½	11	0.120	⅜	0.375	170	S411ARN1	S411ARN5	S411ARNB
5d	1¾	10	0.131	⅜	0.375	126	S510ARN1	S510ARN5	S510ARNB
5d	1¾	11	0.120	⅜	0.375	149	—	S511ARN5	S511ARNB
6d	2	10	0.131	⅜	0.375	105	S610ARN1	S610ARN5	S610ARNB
6d	2	11	0.120	⅜	0.375	136	S611ARN1	—	S611ARNB
8d	2½	10	0.131	⅜	0.375	91	S810ARN1**	S810ARN5**	S810ARNB**
10d	3	10	0.131	⅜	0.375	78	S1010ARN1**	S1010ARN5**	S1010ARNB**

**Complies with ASTM F1667 specifications for roof-sheathing ring-shank nails.

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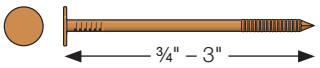
Roofing Nail — Annular Ring Shank (cont.)

Copper



Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
—	¾	11	0.120	⅜	0.375	302	C7511ARN1	C7511ARN5	C7511ARNB
2d	1	10	0.131	7/16	0.438	187	C210ARN1	C210ARN5	C210ARNB
2d	1	11	0.120	⅜	0.375	229	C211ARN1	C211ARN5	C211ARNB
3d	1¼	10	0.131	7/16	0.438	147	C310ARN1	C310ARN5	C310ARNB
3d	1¼	11	0.120	⅜	0.375	187	C311ARN1	C311ARN5	C311ARNB
4d	1½	10	0.131	7/16	0.438	123	C410ARN1	C410ARN5	C410ARNB
4d	1½	11	0.120	⅜	0.375	155	C411ARN1	C411ARN5	C411ARNB
5d	1¾	10	0.131	7/16	0.438	112	C510ARN1	C510ARN5	C510ARNB
5d	1¾	11	0.120	⅜	0.375	139	C511ARN1	—	C511ARNB
6d	2	10	0.131	7/16	0.438	93	C610ARN1	C610ARN5	C610ARNB
6d	2	11	0.120	⅜	0.375	124	C611ARN1	C611ARN5	C611ARNB
8d	2½	10	0.131	7/16	0.438	81	C810ARN1	C810ARN5	C810ARNB
10d	3	10	0.131	7/16	0.438	67	C1010ARN1	C1010ARN5	C1010ARNB

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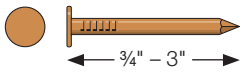
Roofing Nail — Smooth Shank

Features:

- Large, flat head provides extra bearing surface to firmly secure roofing material
- Longer lengths ideal for installing curved Spanish roof tiles and thicker slate

Installation Tips:

- For slate roofs, determine the correct nail length by doubling the slate thickness and adding one inch



Copper

Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
—	¾	11	0.120	⅜	0.375	302	C7511RN1	C7511RN5	C7511RNB
2d	1	10	0.131	7/16	0.438	187	—	C210RN5	C210RNB
2d	1	11	0.120	⅜	0.375	229	C211RN1	C211RN5	C211RNB
3d	1¼	10	0.131	7/16	0.438	147	C310RN1	C310RN5	C310RNB
3d	1¼	11	0.120	⅜	0.375	187	C311RN1	C311RN5	C311RNB
4d	1½	10	0.131	7/16	0.438	123	C410RN1	C410RN5	C410RNB
4d	1½	11	0.120	⅜	0.375	155	C411RN1	C411RN5	C411RNB
5d	1¾	10	0.131	7/16	0.438	112	C510RN1	C510RN5	C510RNB
5d	1¾	11	0.120	⅜	0.375	139	C511RN1	C511RN5	C511RNB
6d	2	10	0.131	7/16	0.438	93	C610RN1	C610RN5	C610RNB
6d	2	11	0.120	⅜	0.375	124	C611RN1	C611RN5	C611RNB
8d	2½	10	0.131	7/16	0.438	81	C810RN1	C810RN5	C810RNB
8d	2½	11	0.120	⅜	0.375	108	—	—	C811RNB
10d	3	10	0.131	7/16	0.438	67	C1010RN1	C1010RN5	C1010RNB

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These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

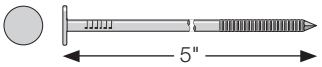
Tile/Slating Nail — Annular Ring Shank

Features:

- Large, flat head provides extra bearing surface to firmly secure roofing material
- Annular ring shank increases withdrawal resistance to provide a secure attachment to wood members and plywood roof decks
- Longer lengths ideal for installing curved Spanish roof tiles and thicker slate

Installation Tips:

- For slate roofs, determine the correct nail length by doubling the slate thickness and adding one inch



Type 304 Stainless Steel

Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	25 lb. Bucket Model No.
40d	5	8	0.162	½	0.500	28	S40ATNB*

*Complies with ASTM F1667 specifications for post-frame ring-shank nails.

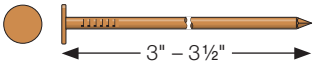
Tile/Slating Nail — Smooth Shank

Features:

- Large, flat head provides extra bearing surface to firmly secure roofing material
- Longer lengths ideal for installing curved Spanish roof tiles and thicker slate

Installation Tips:

- For slate roofs, determine the correct nail length by doubling the slate thickness and adding one inch



Copper

Penny Size	Length (in.)	Gauge	Shank Diameter (in.)	Head Diameter (in.)		Approx. Count per lb.	25 lb. Bucket Model No.
10d	3	9	0.148	15⁄32	0.469	57	C10TNB

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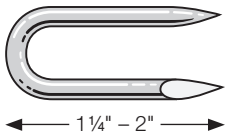
Fencing Staples

Type 304 Stainless Steel

Length (in.)	Screw Size/Nail Gauge	Count per lb. (approx)	Package Size	Model No.
1¼	13	202	1 lb.	S13125FS1
1¼	13	202	5 lb.	S13125FS5
1¼	13	202	25 lb.	S13125FSB
2	10	66	1 lb.	S10200FS1
2	10	66	25 lb.	S10200FSB



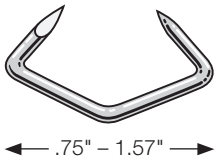
Hog Rings — Hill Pattern

Features:

- #3 pre-bent

Type 304 Stainless Steel

Gauge	Width Open (in.)	Width Across (in.)	Approx. Count per lb.	1 lb. Model No.	5 lb. Model No.	25 lb. Bucket Model No.
13	0.812	1.57	204	S13075HR1	S13075HR5	S13075HRB
14	0.280	0.75	540	S14075HR1	—	S14075HRB



Pre-Bent Hill Pattern

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Strong-Drive® 33° SCN SMOOTH-SHANK CONNECTOR Nail

A perfect drive, every time.

SIMPSON Strong-Tie®

Collated
Nails and Staples

Strong-Drive® Connector Nails
33° SCN SMOOTH-SHANK CONNECTOR Nail 130
33° SCNR RING-SHANK CONNECTOR Nail 131

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15° Inserted Plastic Coil, Ring-Shank Nail 133
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15° Wire Coil, Ring-Shank Siding Nail 135
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Roofing
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20°–22° Plastic Strip, Screw-Shank Nail 143
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31°–34° Plastic Strip, Ring-Shank Nail 145
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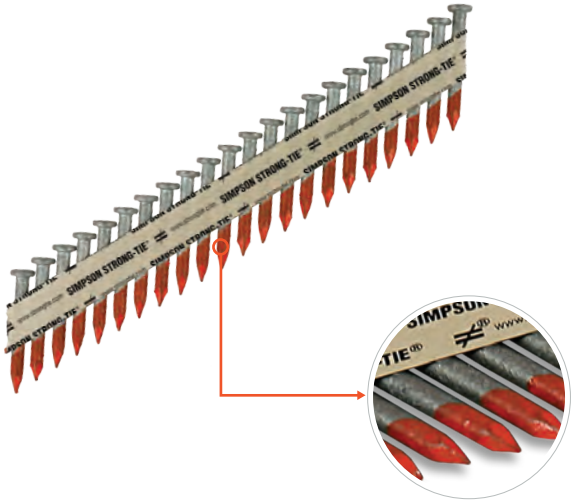
SIMPSON Strong-Tie®

Strong-Drive® 33° SCN SMOOTH-SHANK CONNECTOR Nail



Orange Painted Tip for Better Visibility

Features:

- 33° collation angle
- Full round head
- Head ID stamp

See p. 108 for bulk Strong-Drive® SCN Smooth-Shank Connector nails.

For Technical Data and Loads, see Technical Supplement

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bostitch®	MCN150 (up to 1½"), MCN250, F33PT
Grip-Rite®	GR150 (up to 1½"), GRSB150-1½ (up to 1½"), GR250, GRSB250-2½
Hitachi®	NR65AK
Paslode®	PF150S-PP (up to 1½"), F250S-PP
Senco®	HN150 (up to 1½"), HN250

8	8	10	10	16
0.131" x 1½"	0.131" x 2½"	0.148" x 1½"	0.148" x 2½"	0.162" x 2½"

SCN Smooth-Shank Head Stamps

Hot-Dip Galvanized — ASTM A153, Class D

Shank Dia. x Length (in.)	Head Diameter (in.)	Carton Quantity	Model No.	Replacement for
0.131 x 1½	0.285	500	N8HDGPT500	8d x 1½"
		4,000	N8HDGPT4000	
0.131 x 2½	0.285	500	8DHDGPT500	8d common
		2,500	8DHDGPT2500	
0.148 x 1½	0.285	500	N10HDGPT500	10d x 1½"
		3,000	N10HDGPT3000	
0.148 x 2½	0.285	500	N10DHDGPT500	10d x 2½"
		2,500	N10DHDGPT2500	
0.162 x 2½	0.285	500	N16HDGPT500	16d x 2½"
		2,000	N16HDGPT2000	

Hot-dip galvanized per ASTM A153.

Bright

Shank Dia. x Length (in.)	Head Diameter (in.)	Carton Quantity	Model No.	Replacement for
0.131 x 1½	0.285	4,000	N8BRPT4000	8d x 1½"
0.148 x 1½	0.285	3,000	N10BRPT3000	10d x 1½"
0.148 x 2½		2,500	N10DBRPT2500	10d x 2½"

These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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Strong-Drive® 33° SCNR RING-SHANK CONNECTOR Nail

Features:

- 33° collation angle
- Full round head
- Head ID stamp

See p. 109 for bulk Strong-Drive® SCNR Ring-Shank Connector nails.

For Technical Data and Loads, see Technical Supplement

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bostitch®	MCN150 (up to 1½"), MCN250, F33PT
Grip-Rite®	GR150 (up to 1½"), GRSB150-1½ (up to 1½"), GR250, GRSB250-2½
Hitachi®	NR65AK
Paslode®	PF150S-PP (up to 1½"), F250S-PP
Senco®	HN150 (up to 1½"), HN250

8 — 0.131" x 1½"
8 — 0.131" x 2½"
10 — 0.148" x 1½"
10 — 0.148" x 2½"

SCNR Ring-Shank Head Stamps

Type 316 Stainless Steel

Shank Dia. x Length (in.)	Head Diameter (in.)	Carton Quantity	Model No.	Replacement for
0.131 x 1½	0.285	1,500	T10A150MCN	8d x 1½
0.131 x 2½	0.285	1,000	T10A250MCN	8d common
0.148 x 1½	0.285	1,500	T9A150MCN	10d x 1½
0.148 x 2½	0.285	1,000	T9A250MCN	10d x 2½

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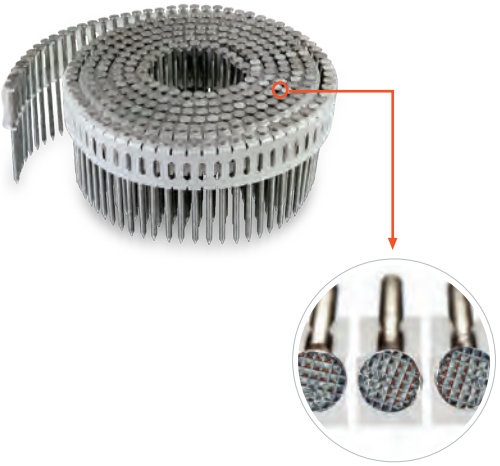
These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

0° Inserted Plastic Coil, Full Round Head, Ring-Shank Nail



Features:

- Checker pattern on head blends with wood grain, reduces glare from sunlight and accepts surface finishes
- Annular ring shank increases withdrawal resistance to provide a secure attachment
- Available in Type 304 and aluminum

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Duo-Fast®	KDN50, RCN60, RCN70, CNP-60Y, CNP-65Y, DF225C
Spotnails®	QCND65

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
7d	2¼	0.099	0.210	7,200	S12A225DNB
7d	2¼	0.099	0.210	1,200	S12A225DNBP

Aluminum

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
—	1⅞	0.099	0.210	9,000	A12A187DNB

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15° Inserted Plastic Coil, Full Round Head, Ring-Shank Nail

Features:

- Checker pattern on head blends with wood grain, reduces glare from sunlight and accepts surface finishes
- Annular ring shank increases withdrawal resistance to provide a secure attachment
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bostitch®	N64C, N66C, N75C
Grip-Rite®	GRTCS250
Hitachi®	NV65AH, NV75AG
Max®	CN550S (up to 2"), CN565S, CN565
Senco®	SCN49

Type 316 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
4d	1½	0.092	0.221	3,200	T13A150IPC
5d	1¾	0.092	0.221	3,200	T13A175IPC
5d	1¾	0.092	0.221	600	T13A175IPBP
6d	2	0.092	0.221	3,200	T13A200IPC
6d	2	0.092	0.221	600	T13A200IPBP
7d	2¼	0.092	0.221	2,400	T13A225IPC
7d	2¼	0.092	0.221	600	T13A225IPBP
8d	2½	0.092	0.221	2,400	T13A250IPC
8d	2½	0.092	0.221	600	T13A250IPBP

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
4d	1½	0.092	0.221	3,200	S13A150IPC
5d	1¾	0.092	0.221	3,200	S13A175IPC
6d	2	0.092	0.221	3,200	S13A200IPC
7d	2¼	0.092	0.221	2,400	S13A225IPC
7d	2¼	0.092	0.221	600	S13A225IPBP
8d	2½	0.092	0.221	2,400	S13A250IPC

These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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15° Inserted Plastic Coil, White Full Round Head, Ring-Shank Nail

Features:

- Checker pattern on head blends with wood grain, reduces glare from sunlight and accepts surface finishes
- Annular ring shank increases withdrawal resistance to provide a secure attachment
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bostitch®	N64C, N66C, N75C
Grip-Rite®	GRTCS250
Hitachi®	NV65AH, NV75AG
Max®	CN550S (up to 2"), CN565S, CN565
Senco®	SCN49

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
8d	2½	0.092	0.203	600	S13A250IPWBP

White

Type 316 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Packaging Quantity	Model No.
8d	2½	0.092	0.203	2,400	T13A250IPC

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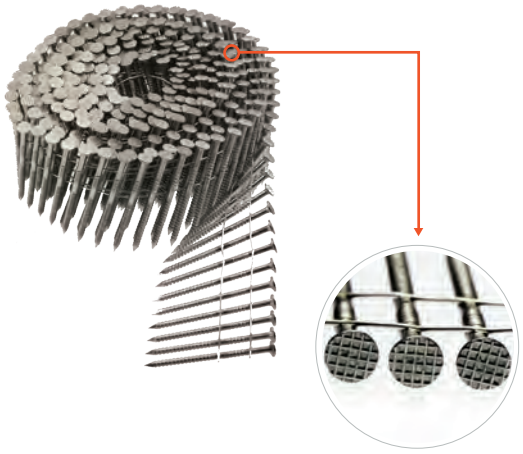
These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

15° Wire Coil, Full Round Head, Ring-Shank Siding Nail



Features:

- Ideal for use in fiber-cement boards
- Checker pattern on heads blends with wood grain, reduces glare from sunlight and accepts surface finishes
- Generous underhead fillet allows nails to be driven flush or countersunk, without crushing surrounding wood
- Annular ring shank increases withdrawal resistance to provide a secure attachment that reduces cupping of siding boards
- Slender gauge and diamond point for easier driving
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bostitch®	N64C, N66C, N75C
Duo-Fast®	P275C
Grip-Rite®	GRTCS250
Hitachi®	NV65AH, NV75AG
Max®	CN55, CN665, CN565, CN565S, CN550S (up to 2")
Senco®	SCN60XP, SCN49, SCN 65XP, Pallet Pro57F (up to 2¼")

Type 316 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
3d	1¼	0.092	0.221	1,800	T13A125SNJ
4d	1½	0.092	0.221	1,800	T13A150SNJ
5d	1¾	0.092	0.221	1,800	T13A175SNJ
6d	2	0.092	0.221	1,800	T13A200SNJ
7d	2¼	0.092	0.221	1,800	T13A225SNJ
8d	2½	0.092	0.221	1,800	T13A250SNJ

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
3d	1¼	0.092	0.221	3,600	S13A125SNC
3d	1¼	0.092	0.221	1,500	S13A125SNBP
4d	1½	0.092	0.221	3,600	S13A150SNC
4d	1½	0.092	0.221	1,500	S13A150SNBP
5d	1¾	0.092	0.221	3,600	S13A175SNC
5d	1¾	0.092	0.221	1,200	S13A175SNBP
6d	2	0.092	0.221	3,600	S13A200SNC
6d	2	0.092	0.221	1,200	S13A200SNBP
7d	2¼	0.092	0.221	3,600	S13A225SNC
7d	2¼	0.092	0.221	900	S13A225SNBP
8d	2½	0.092	0.221	3,600	S13A250SNC
8d	2½	0.092	0.221	900	S13A250SNBP

These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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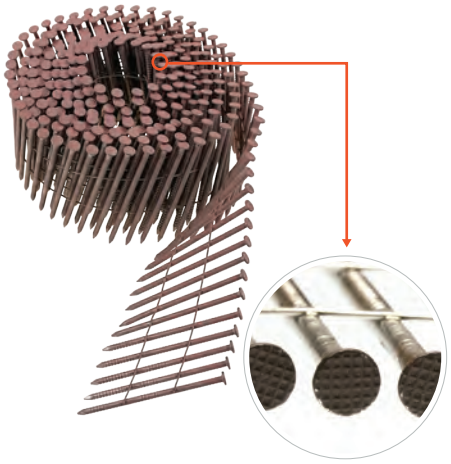
SIMPSON Strong-Tie®

15° Wire Coil, Painted, Full Round Head, Ring-Shank Nail



Features:

- Checker pattern on heads blends with wood grain, reduces glare from sunlight and accepts surface finishes
- Durable painted finish helps heads blend with siding material
- Annular ring shank increases withdrawal resistance to provide a secure attachment
- Slender gauge and diamond point for easier driving

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bostitch®	N64C, N66C, N75C
Duo-Fast®	P275C
Grip-Rite®	GRTCS250
Hitachi®	NV65AH, NV75AG
Max®	CN55, CN665, CN565, CN565S, CN550S (up to 2")
Senco®	SCN60XP, SCN49, SCN 65XP, Pallet Pro57F (up to 2¼")

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Color	Carton Quantity	Model No.
6d	2	0.092	0.221	—	1,200	S13A200WWCBP
6d	2	0.092	0.221	Dark Brown	3,600	S13A200CCB
6d	2	0.092	0.221	Gray	3,600	S13A200CCG
6d	2	0.092	0.221	Redwood	3,600	S13A200CCR
6d	2	0.092	0.221	Tan	3,600	S13A200CCT
6d	2	0.092	0.221	White	3,600	S13A200CWH
7d	2¼	0.092	0.221	Dark Brown	3,600	S13A225CCB
7d	2¼	0.092	0.221	Gray	3,600	S13A225CCG
7d	2¼	0.092	0.221	Redwood	3,600	S13A225CCR
7d	2¼	0.092	0.221	Tan	3,600	S13A225CCT
7d	2¼	0.092	0.221	Sienna	3,600	S13A225CCS
8d	2½	0.092	0.221	—	900	S13A250WWCBP
8d	2½	0.092	0.221	Dark Brown	900	S13A250CCBBP
8d	2½	0.092	0.221	Dark Brown	3,600	S13A250CCB
8d	2½	0.092	0.221	Gray	3,600	S13A250CCG
8d	2½	0.092	0.221	Redwood	3,600	S13A250CCR
8d	2½	0.092	0.221	Tan	900	S13A250CCTBP
8d	2½	0.092	0.221	Tan	3,600	S13A250CCT
8d	2½	0.092	0.221	White	3,600	S13A250CWH
8d	2½	0.092	0.221	Sienna	900	S13A250CCSBP
8d	2½	0.092	0.221	Sienna	3,600	S13A250CCS

Dark Brown, Sienna, Gray, Redwood, Tan, White

These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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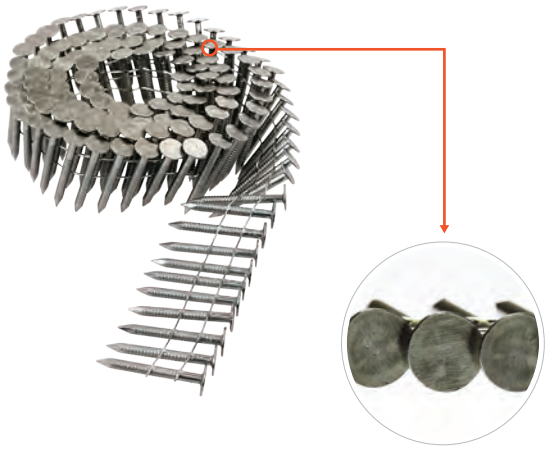
15° Wire Coil, Full Round Head, Ring-Shank Roofing Nail



Features:

- Ideal for asphalt and synthetic slate roofing
- Large flat head, diamond point for easier driving
- Annular ring shank increases withdrawal resistance to provide a secure attachment to OSB or plywood roof decks
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bosch®	RN175
Bostitch®	RN46
DeWalt®	D51321
Grip-Rite®	GRTCR175
Hitachi®	NV45AB2, NV45AE
Makita®	AN453
Max®	CN445R, CN450R
Paslode®	R175-C, CR175C
Porter Cable®	RN175A
Ridgid®	R175RND
Senco®	RoofPro 455XP

Type 316 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
2d	1	0.120	⅜	3,600	T11A100RNJ
3d	1¼	0.120	⅜	3,600	T11A125RNJ
4d	1½	0.120	⅜	3,600	T11A150RNJ
5d	1¾	0.120	⅜	3,600	T11A175RNJ

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
2d	1	0.120	⅜	7,200	S11A100RNB
3d	1¼	0.120	⅜	7,200	S11A125RNB
3d	1¼	0.120	⅜	720	S11A125RNBP
3d	1¼	0.120	⅜	2,400	S11A125RNJ
4d	1½	0.120	⅜	7,200	S11A150RNB
4d	1½	0.120	⅜	600	S11A150RNBP
4d	1½	0.120	⅜	2,400	S11A150RNJ
5d	1¾	0.120	⅜	7,200	S11A175RNB
5d	1¾	0.120	⅜	480	S11A175RNBP
5d	1¾	0.120	⅜	2,400	S11A175RNJ

These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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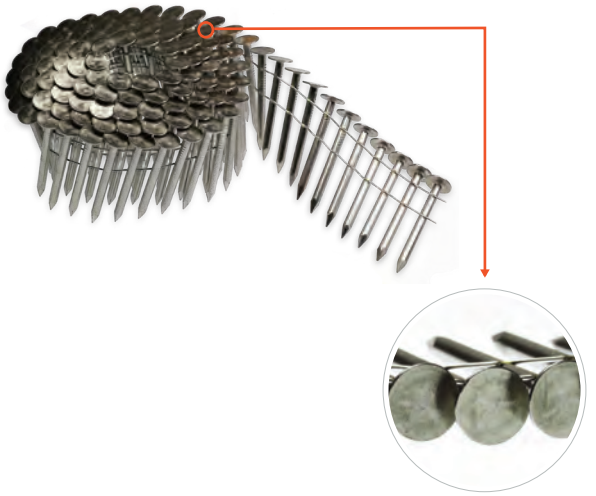
15° Wire Coil, Full Round Head, Smooth-Shank Roofing Nail



Features:

- Ideal for asphalt and synthetic slate roofing
- Large flat head, diamond point for easier driving
- Annular ring shank increases withdrawal resistance to provide a secure attachment to OSB or plywood roof decks
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bosch®	RN175
Bostitch®	RN46
DeWalt®	D51321
Grip-Rite®	GRTCR175
Hitachi®	NV45AB2, NV45AE
Makita®	AN453
Max®	CN445R, CN450R
Paslode®	R175-C, CR175C
Porter Cable®	RN175A
Ridgid®	R175RND
Senco®	RoofPro 455XP

Type 316 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
4d	1½	0.120	⅜	3,600	T11N150RNJ

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
—	¾	0.120	⅜	7,200	S11N075RNB
—	⅞	0.120	⅜	7,200	S11N087RNB
2d	1	0.120	⅜	7,200	S11N100RNB
3d	1¼	0.120	⅜	7,200	S11N125RNB
3d	1¼	0.120	⅜	2,400	S11N125RNJ
4d	1½	0.120	⅜	7,200	S11N150RNB
4d	1½	0.120	⅜	2,400	S11N150RNJ
5d	1¾	0.120	⅜	7,200	S11N175RNB
5d	1¾	0.120	⅜	2,400	S11N175RNJ

These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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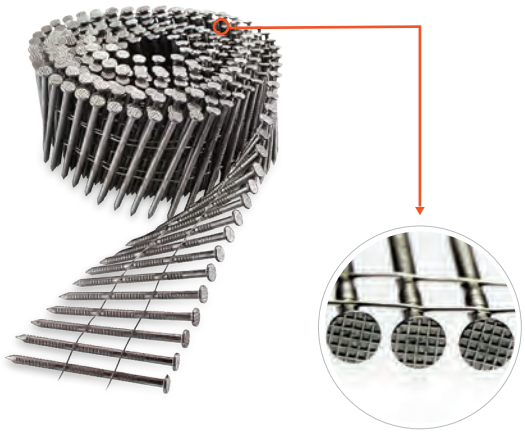
15° Wire Coil, Full Round Head, Ring-Shank Decking/Framing Nail



Features:

- Checker pattern on head blends with wood grain, reduces glare from sunlight and accepts surface finishes
- Annular ring shank increases withdrawal resistance to provide a secure attachment
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bostitch®	N80CB (up to 3¼"), N75C (up to 3"), N89C
DeWalt®	D51855
Duo-Fast®	P350C/CNW90, P275C (up to 2¾")
Grip-Rite®	GRTCN90-3½, GRTCS250 (up to 0.099", 2½")
Hitachi®	NV65AH (up to 0.099", 2½"), NV75AG (up to 3"), NV83A2
Makita®	AN901
Max®	CN565S (up to 2½", 0.099"), CN565D (up to 2½", 0.113"), CN665 (up to 2½"), CN890S, CN565 (up to 2½", 0.099"), CN100, CN70 (up to 2½"), CN80 (up to 3¼")
Senco®	SCN60XP (up to 2¾", 0.113"), SCN49 (up to 2½", 0.113"), SCN 65XP (up to 0.113"), PalletPro100, PalletPro130 (over 3"), PalletPro70 (up to 2¾", 0.113"), PalletPro83 (up to 3¼")

Type 316 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Carton Weight (lb.)	Model No.
6d	2	0.113	¼	3,600	21	T12A200PNB
7d	2¼	0.099	¼	1,800	10	T12A225PNJ
8d	2½	0.099	¼	1,800	10	T12A250PNJ
8d	2½	0.099	¼	3,600	31	T12A250PNB
10d	3	0.120	17/64	1,800	19	T11A300PNJ
10d	3	0.131	9/32	1,800	24	T10A300PNJ
12d	3¼	0.120	17/64	1,800	20	T11A325PNJ
16d	3½	0.131	9/32	1,800	28	T10A350PNJ

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Carton Weight (lb.)	Model No.
4d	1½	0.099	¼	3,600	14	S12A150PNB
5d	1¾	0.099	¼	3,600	15	S12A175PNB
6d	2	0.099	¼	3,600	17	S12A200PNB
8d	2½	0.099	¼	3,600	21	S12A250PNB
8d	2⅜	0.113	¼	3,600	26	S12A237PNB
10d	3	0.120	17/64	1,800	19	S11A300PNJ
10d	3	0.131	9/32	1,800	24	S10A300PNJ
12d	3¼	0.120	17/64	1,800	20	S11A325PNJ
12d	3¼	0.131	9/32	1,800	26	S10A325PNJ

These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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15° Wire Coil, Painted Full Round Head, Ring-Shank Decking/Framing Nail

Features:

- Checker pattern on head blends with the wood grain, reduces glare from sunlight and accepts surface finishes
- Annular ring shank increases withdrawal resistance to provide a secure attachment

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bostitch®	N80CB (up to 3¼"), N75C (up to 3"), N89C
DeWalt®	D51855
Duo-Fast®	P350C/CNW90, P275C (up to 2¾")
Grip-Rite®	GRTCN90-3½, GRTCS250 (up to 0.099", 2½")
Hitachi®	NV65AH (up to 0.099", 2½"), NV75AG (up to 3"), NV83A2
Makita®	AN901
Max®	CN565S (up to 2½", 0.099"), CN565D (up to 2½", 0.113"), CN665 (up to 2½"), CN890S, CN565 (up to 2½", 0.099"), CN100, CN70 (up to 2½"), CN80 (up to 3¼")
Senco®	SCN60XP (up to 2¾", 0.113"), SCN49 (up to 2½", 0.113"), SCN 65XP (up to 0.113"), PalletPro100, PalletPro130 (over 3"), PalletPro70 (up to 2¾", 0.113"), PalletPro83 (up to 3¼")

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Color	Carton Quantity	Model No.
10d	3	0.120	17/64	Dark Brown	1,800	S11A300PJB
10d	3	0.120	17/64	Gray	1,800	S11A300PJG
10d	3	0.120	17/64	Redwood	1,800	S11A300PJR
10d	3	0.120	17/64	Tan	1,800	S11A300PJT
10d	3	0.120	17/64	Sienna	1,800	S11A300PJS
12d	3¼	0.120	17/64	Redwood	1,800	S11A325PJR
12d	3¼	0.120	17/64	Tan	1,800	S11A325PJT

Dark Brown, Gray, Redwood, Tan, Sienna

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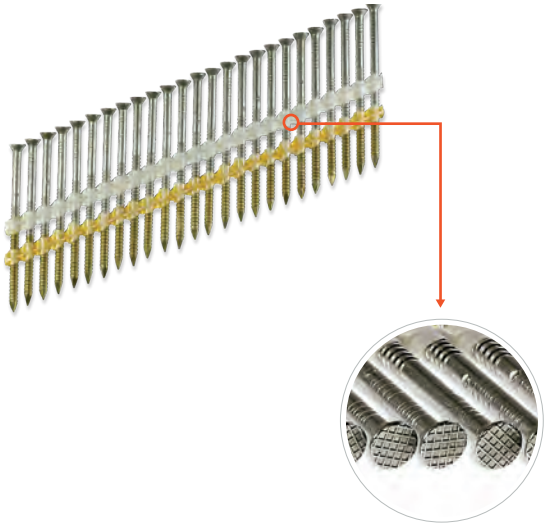
These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

20°–22° Plastic Strip, Casing Head, Ring-Shank Nail



Features:

- Countersunk casing head
- Durable painted finish helps head blend with decking and siding material
- Checker pattern on head blends with wood grain
- Annular ring shank increases withdrawal resistance to provide a secure attachment

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bosch®	SN350-20F (up to 0.148")
Bostitch®	F21PL
DeWalt®	D51850 (up to 0.148"), D51844 (up to 0.148")
Grip-Rite®	GRTFR83 (up to 0.131", 3¼"), GRTRH350 (up to 0.148")
Hitachi®	NR83AS (up to 0.131", 3¼"), NR90AC3, NR90AEPR (up to 0.148"), NR90GR (up to 0.131"), NR90GR2 (up to 0.131")
Makita®	AN923
Max®	SN883RH (up to 0.148", 3¼"), SN883RH2 (up to 0.148", 3¼") SN890RH (up to 0.148")
Porter Cable®	FR350MAG, FR350A (up to 0.148")
Ridgid®	R350RHA
Senco®	SN902XP (up to 0.148", 3¼"), SN952XP (up to 0.148"), GT90FRH (up to 0.131"), FramePro 602 (up to 0.148"), FramePro 702XP (up to 0.148"), FramePro 752XP

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Color	Carton Quantity	Model No.
8d	2⅜	0.120	¼	None	1,000	S11A237KDJ
8d	2⅜	0.120	¼	Dark Brown	1,000	S11A237KJB
8d	2⅜	0.120	¼	Gray	1,000	S11A237KJG
8d	2⅜	0.120	¼	Redwood	1,000	S11A237KJR
8d	2⅜	0.120	¼	Sienna	1,000	S11A237KJS
8d	2⅜	0.120	¼	Tan	1,000	S11A237KJT
12d	3¼	0.131	¼	None	1,000	S10A325KDJ
12d	3¼	0.131	¼	Dark Brown	1,000	S10A325KJB
12d	3¼	0.131	¼	Gray	1,000	S10A325KJG
12d	3¼	0.131	¼	Redwood	1,000	S10A325KJR
12d	3¼	0.131	¼	Sienna	1,000	S10A325KJS
12d	3¼	0.131	¼	Tan	1,000	S10A325KJT

Dark Brown, Gray, Redwood, Sienna, Tan

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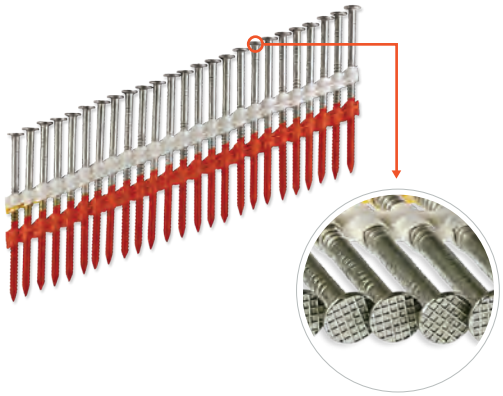
These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

20°–22° Plastic Strip, Full Round Head, Ring-Shank Nail



Features:

- Checker pattern on head blends with the wood grain, reduces glare from sunlight and accepts surface finishes
- Annular ring shank increases withdrawal resistance to provide a secure attachment
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance
- 2⅜" or longer have painted tips

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bosch®	SN350-20F (up to 0.148")
Bostitch®	F21PL
DeWalt®	D51850 (up to 0.148"), D51844 (up to 0.148")
Grip-Rite®	GRTFR83 (up to 0.131", 3¼"), GRTRH350 (up to 0.148")
Hitachi®	NR83AS (up to 0.131", 3¼"), NR90AC3, NR90AEPR (up to 0.148"), NR90GR (up to 0.131"), NR90GR2 (up to 0.131")
Makita®	AN923
Max®	SN883RH (up to 0.148", 3¼"), SN883RH2 (up to 0.148", 3¼") SN890RH (up to 0.148")
Porter Cable®	FR350MAG, FR350A (up to 0.148")
Ridgid®	R350RHA
Senco®	SN902XP (up to 0.148", 3¼"), SN952XP (up to 0.148"), GT90FRH (up to 0.131") FramePro 602 (up to 0.148"), FramePro 702XP (up to 0.148"), FramePro 752XP

Type 316 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
6d	2	0.113	9/32	5,000	T12A200CNB
6d	2	0.113	9/32	1,000	T12A200CNJ
8d	2⅜	0.113	9/32	5,000	T12A237CNB
8d	2⅜	0.113	9/32	1,000	T12A237CNJ
8d	2½	0.120	9/32	4,000	T11A250CNB
8d	2½	0.120	9/32	1,000	T11A250CNJ
10d	3	0.120	9/32	4,000	T11A300CNB
10d	3	0.120	9/32	1,000	T11A300CNJ
10d	3	0.131	9/32	4,000	T10A300CNB
10d	3	0.131	9/32	1,000	T10A300CNJ
12d	3¼	0.120	9/32	4,000	T11A325CNB
12d	3¼	0.120	9/32	1,000	T11A325CNJ
12d	3¼	0.131	9/32	4,000	T10A325CNB
12d	3¼	0.131	9/32	1,000	T10A325CNJ
16d	3½	0.131	9/32	4,000	T10A350CNB
16d	3½	0.131	9/32	1,000	T10A350CNJ

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
6d	2	0.113	9/32	5,000	S12A200CNB
6d	2	0.113	9/32	1,000	S12A200CNJ
6d	2	0.120	9/32	5,000	S11A200CNB
6d	2	0.120	9/32	1,000	S11A200CNJ
8d	2⅜	0.113	9/32	5,000	S12A237CNB
8d	2⅜	0.113	9/32	1,000	S12A237CNJ
8d	2½	0.120	9/32	4,000	S11A250CNB
8d	2½	0.120	9/32	1,000	S11A250CNJ
8d	2½	0.131	9/32	4,000	S10A250CNB
10d	3	0.120	9/32	4,000	S11A300CNB
10d	3	0.120	9/32	1,000	S11A300CNJ
10d	3	0.131	9/32	4,000	S10A300CNB
10d	3	0.131	9/32	1,000	S10A300CNJ
12d	3¼	0.120	9/32	4,000	S11A325CNB
12d	3¼	0.120	9/32	1,000	S11A325CNJ
12d	3¼	0.131	9/32	4,000	S10A325CNB
12d	3¼	0.131	9/32	1,000	S10A325CNJ
16d	3½	0.131	9/32	4,000	S10A350CNB
16d	3½	0.131	9/32	1,000	S10A350CNJ

These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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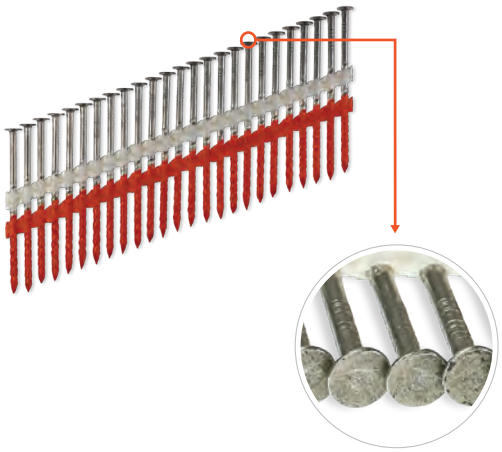
20°–22° Plastic Strip, Full Round Head, Screw-Shank Nail



Features:

- Smooth head
- Screw shank increases withdrawal resistance to provide a secure attachment
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance
- 2½" or longer have painted tips

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bosch®	SN350-20F (up to 0.148")
Bostitch®	F21PL
DeWalt®	D51850 (up to 0.148"), D51844 (up to 0.148")
Grip-Rite®	GRTFR83 (up to 0.131", 3¼"), GRTRH350 (up to 0.148")
Hitachi®	NR83AS (up to 0.131", 3¼"), NR90AC3, NR90AEPR (up to 0.148"), NR90GR (up to 0.131"), NR90GR2 (up to 0.131")
Makita®	AN923
Max®	SN883RH (up to 0.148", 3¼"), SN883RH2 (up to 0.148", 3¼") SN890RH (up to 0.148")
Porter Cable®	FR350MAG, FR350A (up to 0.148")
Ridgid®	R350RHA
Senco®	SN902XP (up to 0.148", 3¼"), SN952XP (up to 0.148"), GT90FRH (up to 0.131"), FramePro 602 (up to 0.148"), FramePro 702XP (up to 0.148"), FramePro 752XP

Type 316 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
6d	2	0.113	9/32	1,000	T12S200CNJ
8d	2½	0.113	9/32	1,000	T12S250CNJ
10d	3	0.120	9/32	1,000	T11S300CNJ
10d	4	0.131	9/32	1,000	T10S300CNJ
12d	3¼	0.120	9/32	4,000	T11S325CNB
16d	3½	0.131	9/32	1,000	T10S350CNJ

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
6d	2	0.113	9/32	1,000	S12S200CNJ
8d	2½	0.113	9/32	4,000	S12S250CNB
8d	2½	0.113	9/32	1,000	S12S250CNJ
10d	3	0.120	9/32	4,000	S11S300CNB
10d	3	0.120	9/32	1,000	S11S300CNJ
12d	3¼	0.120	9/32	4,000	S11S325CNB
12d	3¼	0.120	9/32	1,000	S11S325CNJ
16d	3½	0.131	9/32	4,000	S10S350CNB
16d	3½	0.131	9/32	1,000	S10S350CNJ

These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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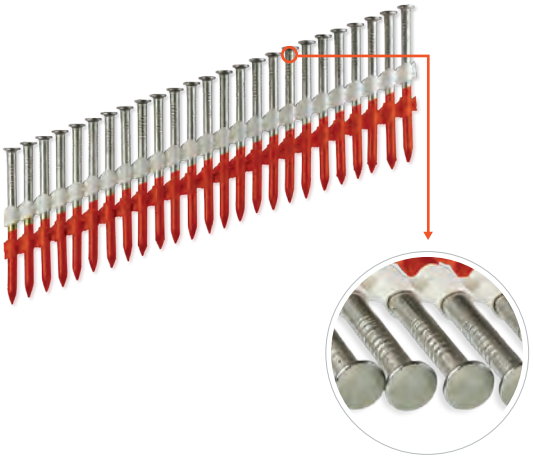
20°–22° Plastic Strip, Full Round Head, Smooth-Shank Nail



Features:

- Smooth head
- Type 304 stainless steel for applications requiring high corrosion resistance.

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bosch®	SN350-20F (up to 0.148")
Bostitch®	F21PL
DeWalt®	D51850 (up to 0.148"), D51844 (up to 0.148")
Grip-Rite®	GRTFR83 (up to 0.131", 3¼"), GRTRH350 (up to 0.148")
Hitachi®	NR83AS (up to 0.131", 3¼"), NR90AC3, NR90AEPR (up to 0.148"), NR90GR (up to 0.131"), NR90GR2 (up to 0.131")
Makita®	AN923
Max®	SN883RH (up to 0.148", 3¼"), SN883RH2 (up to 0.148", 3¼"), SN890RH (up to 0.148")
Porter Cable®	FR350MAG, FR350A (up to 0.148")
Ridgid®	R350RHA
Senco®	SN902XP (up to 0.148", 3¼"), SN952XP (up to 0.148"), GT90FRH (up to 0.131"), FramePro 602 (up to 0.148"), FramePro 702XP (up to 0.148"), FramePro 752XP

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
16d	3½	0.162	9/32	1,000	S8N350CNJ

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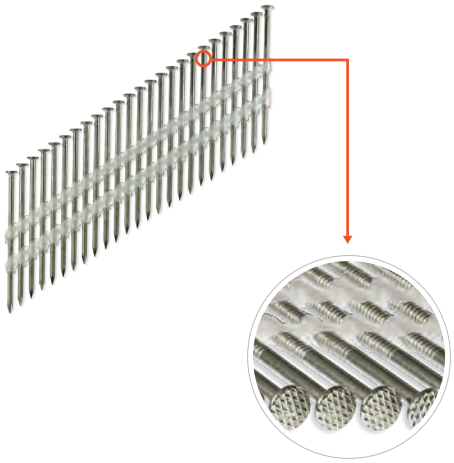
These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

31°–34° Plastic Strip, Full Round Head, Ring-Shank Nail



Features:

- Checker pattern on head blends with wood grain, reduces glare from sunlight and accepts surface finishes
- Annular ring shank increases withdrawal resistance to provide a secure attachment
- Type 304 stainless steel for applications requiring high corrosion resistance.

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bosch®	SN350-34C
Bostitch®	F33PT
DeWalt®	D51825, D51822
Grip-Rite®	GRTFC83 (up to 3¼"), GRTCH350
Hitachi®	NR83AA3 (up to 3¼"), NR90ADPR, NR90GC2
Makita®	AN943
Max®	SN883CH/34 (up to 3¼"), SN890CH/34
Paslode®	PF350S, CF325 (up to 3¼"), F350S, 900420 (up to 3¼")
Porter Cable®	FC350A
Ridgid®	R350CHA
Senco®	SN901XP (up to 3¼"), SN951XP, GT90CH, FramePro601, FramePro701XP

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Head Diameter (in.)	Carton Quantity	Model No.
8d	2⅜	0.113	9/32	1,000	S12A237P31
10d	3	0.120	9/32	1,000	S11A300P31

These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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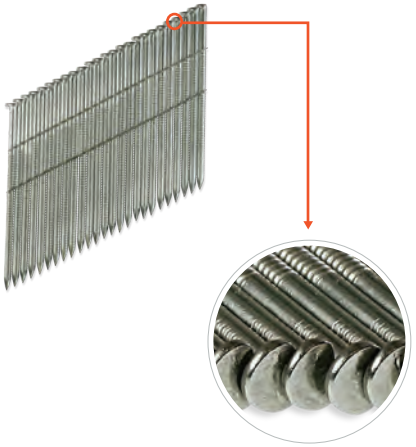
28° Wire Weld, Clipped Head, Ring-Shank Nail



Features:

- Smooth D-shaped head
- Annular ring shank increases withdrawal resistance to provide a secure attachment

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bostitch®	F28WW, GF28WW, N100S
Grip-Rite®	GRTFW83
Hitachi®	NR90AF
Max®	SN883CH/28, SN890CH/28

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Carton Quantity	Model No.
8d	2⅜	0.113	1,000	S12A237W28
10d	3	0.120	1,000	S11A300W28
12d	3¼	0.131	1,000	S10A325W28

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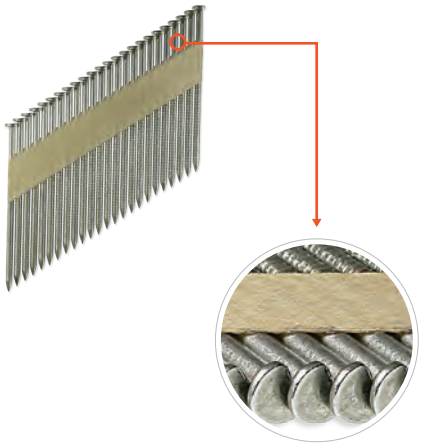
These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

31°–34° Paper Tape, Clipped Head, Ring-Shank Nail



Features:

- Smooth D-shaped head
- Annular ring shank increases withdrawal resistance to provide a secure attachment
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bosch®	SN350-34C
Bostitch®	F33PT
DeWalt®	D51825, D51822
Grip-Rite®	GRTFC83 (up to 3¼"), GRTCH350
Hitachi®	NR83AA3 (up to 3¼"), NR90ADPR, NR90GC2
Makita®	AN943
Max®	SN883CH/34 (up to 3¼"), SN890CH/34
Paslode®	PF350S, CF325 (up to 3¼"), F350S, 900420 (up to 3¼")
Porter Cable®	FC350A
Ridgid®	R350CHA
Senco®	SN901XP (up to 3¼"), SN951XP, GT90CH, FramePro601, FramePro701XP

Type 316 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Carton Quantity	Model No.
8d	2⅜	0.113	1,000	T12A237T31
10d	3	0.120	1,000	T11A300T31
12d	3¼	0.131	1,000	T10A325T31

Type 304 Stainless Steel

Penny Size	Length (in.)	Shank Diameter (in.)	Carton Quantity	Model No.
6d	2	0.113	1,000	S12A200T31
8d	2⅜	0.113	1,000	S12A237T31
10d	3	0.120	1,000	S11A300T31
12d	3¼	0.131	1,000	S10A325T31
16d	3½	0.131	1,000	S10A350T31

These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

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20° Angle, Adhesive Collation, T-Style Head, 16-Gauge Finishing Nail

Features:

- T-style head minimizes nail head size for easier concealment
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

DeWalt®	DC618K
Duo-Fast®	FloorMaster 2505N
Hitachi®	NT65GB
Paslode®	900600, T250A-F16
Senco®	GT65RHA

Type 316 Stainless Steel

Penny Size	Length (in.)	500-Count Model No.	2,000-Count Model No.
4d	1½	T16N150PFB	T16N150PFN
6d	2	T16N200PFB	T16N200PFN
8d	2½	T16N250PFB	T16N250PFN

Type 304 Stainless Steel

Penny Size	Length (in.)	500-Count Model No.	2,000-Count Model No.
4d	1½	S16N150PFB	S16N150PFN
6d	2	S16N200PFB	S16N200PFN
8d	2½	S16N250PFB	S16N250PFN

25° Angle, Adhesive Collation, FN-Style, 15-Gauge Finishing Nail

Features:

- T-style head minimizes nail head size for easier concealment
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bostitch®	N62FNK-2, GFN1546K
Makita®	AF632, AF631

Type 316 Stainless Steel

Penny Size	Length (in.)	500-Count Model No.	3,500-Count Model No.
4d	1½	T15N150FNB	T15N150FNJ
6d	2	T15N200FNB	T15N200FNJ
8d	2½	T15N250FNB	T15N250FNJ

Type 304 Stainless Steel

Penny Size	Length (in.)	500-Count Model No.	3,500-Count Model No.
4d	1½	S15N150FNB	S15N150FNJ
6d	2	S15N200FNB	S15N200FNJ
8d	2½	S15N250FNB	S15N250FNJ

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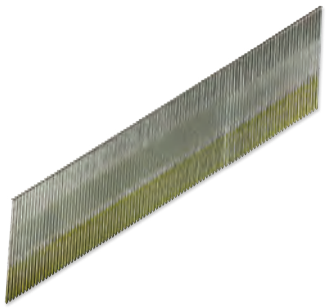
Tape Collation, DA-Style Angle, 15-Gauge Finishing Nail



Features:

- D-style head has greater bearing area to draw trim to the substrate
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bosch®	FNA250-15
DeWalt®	DC628K, D51276K
Grip-Rite®	GRTAN250
Hitachi®	NT65GA, NT65MA4
Makita®	AF633
Max®	NF550/15-65
Porter Cable®	DA250C
Ridgid®	R250AFA, R250AF18
Senco®	Fusion F15, GT65DA, FinishPro42XP

Type 316 Stainless Steel

Penny Size	Length (in.)	500-Count Model No.	4,000-Count Model No.
3d	1¼	—	T15N125SFN
4d	1½	T15N150SFB	T15N150SFN
6d	2	T15N200SFB	T15N200SFN
8d	2½	T15N250SFB	T15N250SFN

Type 304 Stainless Steel

Penny Size	Length (in.)	500-Count Model No.	4,000-Count Model No.
4d	1½	S15N150SFB	S15N150SFN
6d	2	S15N200SFB	S15N200SFN
8d	2½	S15N250SFB	S15N250SFN

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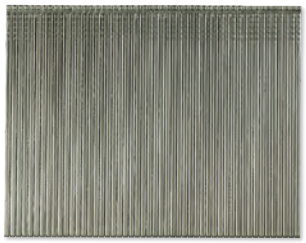
These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

Straight, Adhesive Collation, T-Style Head, 16-Gauge Finishing Nail



Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bosch®	FNS250-16
Bostitch®	FN1664K, SB-1664FN, GFN1664K
DeWalt®	DC616K, D51257K
Duo-Fast®	FloorMaster 200-C, SureShot764 (up to 2")
Grip-Rite®	GRTFN250
Hitachi®	NT65A3, NT6GS, NT65M2
Max®	NF352-ST/16-50 (up to 2")
Paslode®	T250S-F16, 902000
Porter Cable®	FN250C
Ridgid®	R250SFA
Senco®	FinishPro32

Type 316 Stainless Steel

Length (in.)	500-Count Model No.	2,500-Count Model No.
1¼	T16N125FNB	T16N125FNJ
1½	T16N150FNB	T16N150FNJ
2	T16N200FNB	T16N200FNJ
2½	T16N250FNB	T16N250FNJ

Type 304 Stainless Steel

Length (in.)	500-Count Model No.	2,500-Count Model No.
1½	S16N150FNB	S16N150FNJ
2	S16N200FNB	S16N200FNJ
2½	S16N250FNB	S16N250FNJ

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These products are subject to quantities on hand, or may require special-order, minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.

Straight, Adhesive Collation, T-Style Head, 18-Gauge Brads

Choose Type 316 stainless steel for seaside applications and superior corrosion resistance

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bosch®	BNS200-18
Bostitch®	BT1855K, SB-1850BN, SB-2IN1 (up to 1½"), GBT1850K
DeWalt®	DC51236K (up to 1¼"), D51238K
Duo-Fast®	SureShot 2232 (up to 1"), SureShot 4450 (up to 1½"), SureShot 4450 ST (up to 1½")
Grip-Rite®	GRTBN125 (up to 1¼"), GRTBN200
Hitachi®	NT32AE2 (up to 1¼"), NT50AE2, NT50GS
Makita®	AF505
Max®	NF235F/18 (up to 1¼"), NF201/18-35 (up to 1¼"), NF255-ST/18
Paslode®	T200-F18, 901000
Porter Cable®	BN138 (up to 1¼"), BN200B
Ridgid®	R213BNA
Senco®	SLP20XP (up to 1½"), FinishPro25XP

Type 316 Stainless Steel

Length (in.)	500-Count Model No.	Carton Quantity	Model No.
⅜	—	10,000	T18N037FNJ
½	—	5,000	T18N050FNJ
⅝	—	5,000	T18N062FNJ
¾	T18N075FNB	5,000	T18N075FNJ
1	T18N100FNB	5,000	T18N100FNJ
1¼	T18N125FNB	5,000	T18N125FNJ
1½	T18N150FNB	5,000	T18N150FNJ
1¾	—	5,000	T18N175FNJ
2	T18N200FNB	5,000	T18N200FNJ

Type 304 Stainless Steel

Length (in.)	500-Count Model No.	Carton Quantity	Model No.
¾	S18N075FNB	5,000	S18N075FNJ
1	S18N100FNB	5,000	S18N100FNJ
1¼	S18N125FNB	5,000	S18N125FNJ
1½	S18N150FNB	5,000	S18N150FNJ
1¾	—	5,000	S18N175FNJ
2	S18N200FNB	5,000	S18N200FNJ

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Straight, Adhesive Collation, 23-Gauge Micro Pins

Features:

- Headless micro pins
- Smooth shank

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bostitch®	HP118K
Duo-Fast®	SureShot 2236
Grip-Rite®	GRTPIN23
Hitachi®	NP35A
Max®	NF235A/23-35
Porter Cable®	PIN100 (up to 1"), PIN138
Ridgid®	R138HPA
Senco®	FinishPro11

Type 304 Stainless Steel

Length (in.)	Carton Count	Model No.
½	1,000	S23N050MPB
½	5,000	S23N050MPN
¾	1,000	S23N075MPB
¾	5,000	S23N075MPN
1	1,000	S23N100MPB
1	5,000	S23N100MPN
1 3/16	1,000	S23N119MPB
1 3/16	5,000	S23N119MPN
1½	1,000	S23N150MPB
1½	5,000	S23N150MPN
1¾	1,000	S23N175MPB
1¾	5,000	S23N175MPN

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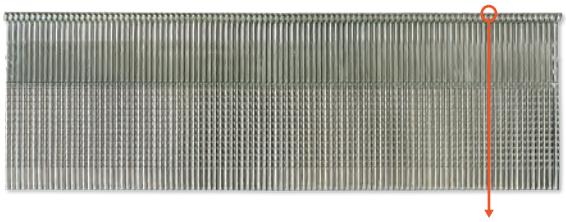
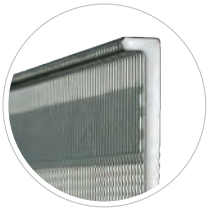
L Series Flooring Cleats

Ideal for tongue-and-groove decking and flooring





Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

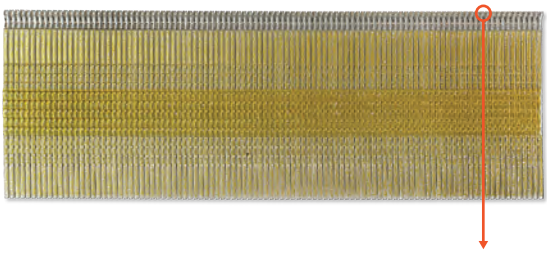
Bostitch®	MFN200, MFN201, MIIIFN
Grip-Rite®	GR200LCN
Hitachi®	NT50AF
Porter Cable®	FCN200
PowerNail®	45, 45R, 445SN, 101SN, 101R, 445, 445 FLEX Power Roller
Primatech®	P210L, P240L, P250L, H300L, H330L
Senco®	SHF50, SHF15

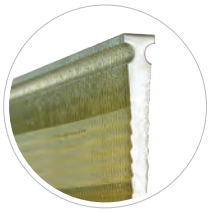
Type 304 Stainless Steel

Gauge	Length (in.)	Carton Quantity	Model No.
16	1½	1,000	S16B150LCT
16	2	1,000	S16B200LCT

T Series Flooring Cleats

Ideal for tongue-and-groove decking and flooring





Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Hitachi®	NT50AF, NT50AGF, NT50YF
Primatech®	P210T, P240T, P250T, H300T, H330T

Type 304 Stainless Steel

Gauge	Length (in.)	Carton Quantity	Model No.
16	2	1,000	S16B200TNL

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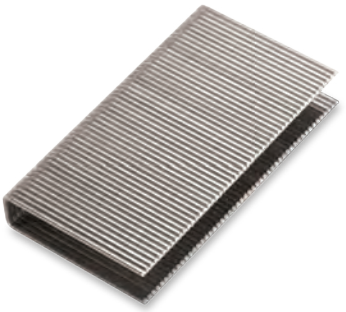
½" Crown, 15½-Gauge Staples

(Similar to Bostitch® "BCS" Series)



Ideal for tongue-and-groove decking

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bostitch®	MIIIFS
Grip-Rite®	GR200FS
Hitachi®	N5009AF
PowerNail®	445FS, 445FS with Power Roller
Primatech®	P220, P250S, P260

Type 304 Stainless Steel

Length (in.)	Carton Quantity	Model No.
2	5,000	S15N200BFS

1" Crown, 16-Gauge Staples

(Similar to Senco® "P" Series)

Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Duo-Fast®	SW1748
Grip-Rite®	GRT1200-2
Hitachi®	N5024A2
Makita®	AT2550A
Senco®	MWXD, WC150XP, WC200XP

Type 316 Stainless Steel

Length (in.)	Carton Quantity	Model No.
1	5,000	T16N100P53

Type 304 Stainless Steel

Length (in.)	Carton Quantity	Model No.
¾	5,000	S16N075P51
1¼	5,000	S16N125P55

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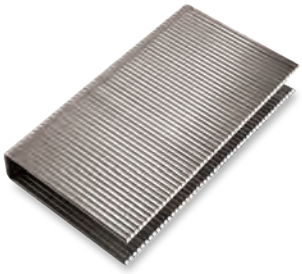
½" Crown, 16-Gauge Staples

(Similar to Paslode® "GS" Series)



Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

DeWalt®	D51431
Hitachi®	N5010A
Paslode®	S200-S16, 900078NT

Type 304 Stainless Steel

Length (in.)	1,000-Count Model No.	Carton Quantity	Carton Model No.
1¼	S16N125GS-R1000	10,000	S16N125GS
1½	S16N150GS-R1000	10,000	S16N150GS
1¾	S16N175GS-R1000	10,000	S16N175GS
2	—	10,000	S16N200GS

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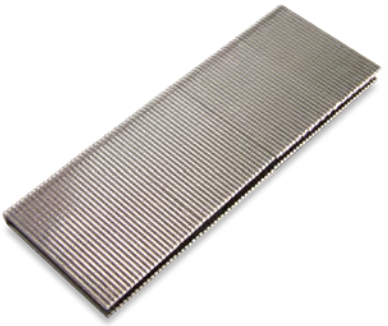
¼" Crown, 18-Gauge Staples

(Similar to Senco® "L" Series)



Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bosch®	STN150-18
DeWalt®	D51420K (up to 1"), D51422K
Duo-Fast®	SureShot 1848F, SureShot 1832 (up to 1"), SureShot 1848, SureShot 1848SL, SureShot 1832ST (up to 1")
Grip-Rite®	GRTSN100 (up to 1"), GRSTN150A
Hitachi®	N3804AB3
Makita®	AT638
Max®	TA238A/18-6, TA238/18-6
Porter Cable®	NS100B (up to 1"), NS150B
Ridgid®	R150FSA
Senco®	SLS18MG

Type 316 Stainless Steel

Length (in.)	Carton Quantity	Model No.
⅝	5,000	T18N062L10
¾	5,000	T18N075L11
1	5,000	T18N100L13
1⅛	5,000	T18N112L14
1¼	5,000	T18N125L15
1½	5,000	T18N150L17

Type 304 Stainless Steel

Length (in.)	1,000-Count Model No.	Carton Quantity	Carton Model No.
⅝	—	5,000	S18N062L10
1	S18N100L13-R1000	5,000	S18N100L13
1⅛	—	5,000	S18N112L14
1¼	S18N125L15-R1000	5,000	S18N125L15
1½	S18N150L17-R1000	5,000	S18N150L17

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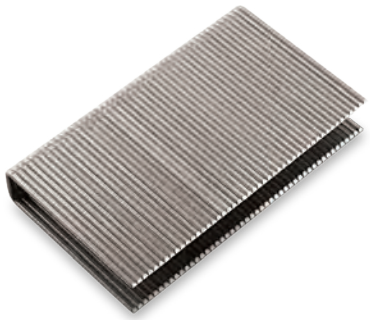
7/16" Crown, 16-Gauge Staples

(Similar to Senco® "N" Series)



Compatible Pneumatic Tools

If you don't see your particular model in the table below, see **strongtie.com/toolmatrix** or call Simpson Strong-Tie for assistance with fastener selection (800) 999-5099.

Bostitch®	438S5 (up to 1½"), 650S5
DeWalt®	D51430
Duo-Fast®	SM7648 (up to 1½"), SM7664, MS-7664E
Grip-Rite®	GRSTSM200
Hitachi®	N5008AC2
Makita®	AT1150A
Max®	TA551A/16-11, TA551/76, TA551/16-11
Porter Cable®	MS200
Senco®	SNS41, SNS44XP, SDS45XP, SNS50XP

Type 316 Stainless Steel

Length (in.)	Carton Quantity	Carton Model No.
¾	5,000	T16N075N11
1¼	5,000	T16N125N15
1½	5,000	T16N150N17
1¾	5,000	T16N175N19
2	5,000	T16N200N21

Type 304 Stainless Steel

Length (in.)	1,000-Count Model No.	Carton Quantity	Carton Model No.
1	—	5,000	S16N100N13
1¼	S16N125N15-R1000	5,000	S16N125N15
1½	S16N150N17-R1000	5,000	S16N150N17
1¾	—	5,000	S16N175N19
2	S16N200N21-R1000	5,000	S16N200N21

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Installed in time to watch the sun set.

Quik Drive® PRO300S

Quik Drive® Systems

Quik Drive® Application Matrix 160

Subfloor/Sheathing|Fiber-Cement Siding|Crating|Truss Ply
PRO250G2 Subfloor System. 162

Decks|Docks|Boardwalks|Crating|Truss Ply
PRO300SG2 Decking System. 163

Drywall|Fiberglass-Mat Gypsum
PRO250DWG2 Drywall Attachment 164
PRODW Drywall Drywall System. 165
PRO200G2 Drywall System. 166

Underlayment/Backerboards|Fiber Cement
PRO200SG2 Multi-Purpose System 167
PROLDHG2 Underlayment / Backerboard System 168

Tile Roofing
PRORFG2 Roofing Tile System. 169
PRO300SRFG2 Roofing Tile System 170

Truck Beds/Trailer Flooring|Nailers|Ledgers to Steel
PROHSD60 Wood-to-Steel Attachment 171
PROHSD75 Wood-to-Steel Attachment 171

Steel Decking/Stitching
BSD200G2 Structural Steel-Decking Attachment 172
PROSDX150G2 Steel-Decking System 173

Standing-Seam Metal Roofing
PROPP150G2 Metal Roofing Attachment 174

Steel to Steel
PROHX516G2 Steel-to-Steel Fastening Attachment 175
PROPHG2 Cold-Formed Steel Framing Attachment 175

Quik Drive Combo Systems
PROSDD Multi-Purpose Combo System 176
PROCCS+ Multi-Purpose Combo System 177

Parts and Accessories
Screwdriver Motors 178
Countersink and RPM Recommendations 180
Adapters. 181
Replacement Parts 182
Accessories 183
Schematics and Troubleshooting 184
Quik Drive® — Warranty. 185
Safety Warnings. 185

Quik Drive® Application Matrix

Quik Drive auto-feed screw driving systems are ideal for fastening a variety of wood-products, sheathing, tiling, decking to wood, wood products and steel. These systems combine the efficiency of repetitive driving with the holding power of screws. In many applications the ergonomics of stand-up driving reduces user fatigue and provides a more cost-effective installation solution.

Application	Quik Drive Model							
	BSD200G2	PRO200G2	PRO200SG2	PRODW	PRO250G2	PRO250DWG2	PRO300SG2	PROHSD60
Quik Drive System								
Subfloor/Sheathing					✓		✓	
Decks/Docks/Boardwalks							✓	
Drywall		✓		✓		✓		
Fiberglass-Mat Gypsum Sheathing		✓		✓		✓		
Fiber-Cement Siding								
Standing-Seam Metal Roofing								
Tile Roofing								
Steel Framing/Stitching								
Steel Decking/Stitching	✓							
Underlayment/Backerboard			✓					
Truck Beds / Trailer Flooring								✓
Crating					✓		✓	
Truss-Ply Fastening					✓		✓	
Nailers/Ledgers to Steel								✓

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Application Matrix

PRO300S

PRO300S attachment

Quik Drive Model									
PROHSD75	PROHX516G2	PROLDHG2	PRORFG2	PRO300SRFG2	PROSDX150G2	PROPHG2	PROPP150G2	PROSDD	PROCCS+
								✓	✓
								✓	
		✓							
							✓		
			✓	✓					
	✓					✓			
					✓				
		✓							
✓									
									✓
✓									

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PRO250G2 Subfloor System

Non-skid teeth increase stability and provide uniform toenailing and countersink on slick surfaces

Applications: Subfloor to wood or steel

- Expanded depth settings for appropriate countersink in a variety of applications
- Reversible replaceable non-skid teeth attachment
- Uniform toenailing and countersink on slick surfaces
- The patented curved collation strips (US Patent 7,051,875) hold the screws up and away from the work surface, making moving and positioning the tool easier; they are also pointed on the inserted end to simplify loading

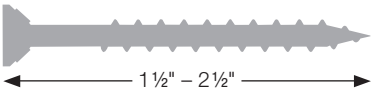
Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

The PRO250G2 system includes:

- PRO250G2 subfloor attachment
- Extension for stand-up driving
- Choice of Makita® or DeWalt® screwdriver motors
- Screw quiver for keeping screws at your fingertips
- Rugged tool case to protect your equipment

PRO250G2 subfloor attachment tool is also sold separately.

Drive These Collated Screws



Strong-Drive® WSNTL Subfloor screw	p. 202	CBSDQ sheathing-to-CFS screw	p. 213
Strong-Drive WSV Subfloor screw	p. 200	WSFLRV wood-to-CFS/aluminum screw	p. 215
Strong-Drive PPSD Sheathing-to-CFS screw	p. 209	WSC wood screw	p. 206
Deck-Drive™ DSV Wood screw	p. 190	Trim-head screw: Type-17 point	p. 193
Deck-Drive DCSD Composite-to-Steel screw	p. 199	DWC drywall screw	p. 203
WSHL subfloor screw	p. 203	DWFSD drywall-to-CFS screw	p. 214

System Options	Model No.
DeWalt 2,500 rpm screwdriver motor	PRO250G2D25K
Makita 2,500 rpm screwdriver motor	PRO250G2M25K
Makita 3,500 rpm screwdriver motor	PRO250G2M35K
Parts	**Model No.**
Attachment only	QDPRO250G2
Replacement attachment mandrel	PMANDREL75

For more information on screwdriver motors and RPM recommendations per application, see pp. 178–180.

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PRO300SG2 Decking System

Non-skid teeth are reversible and replaceable

Applications: Decking on decks and docks, subfloor to wood or steel, wall plates, stair treads, sheathing, fiber-cement siding to steel

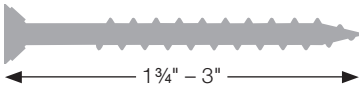
- Expanded depth settings for high-density flooring materials
- Reversible and replaceable non-skid teeth
- Uniform toenailing and countersink on slick surfaces
- Sure-grip guide tube increases stability for a broad range of screws
- The patented curved collation strips (US Patent 7,051,875) hold the screws up and away from the work surface, making moving and positioning the tool easier; they are also pointed on the inserted end to simplify loading

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

The PRO300SG2 system includes:

- PRO300SG2 decking attachment
- Extension for stand-up driving
- Choice of Makita® or DeWalt® screwdriver motors
- Screw quiver for keeping screws at your fingertips
- Rugged tool case to protect your equipment
- Decking nose clip for accurate and consistent fastening
  The decking nose clip positions the screw on the deck board and centers it on the joist for an easy, uniform installation from a standing position.

PRO300SG2 decking attachment tool is also sold separately.

Drive These Collated Screws			
 1¾" – 3"			
Deck-Drive™ DSV Wood screw	p. 190	Bugle-head wood screw	p. 193
Deck-Drive DWP Wood SS screw	p. 191	CBSDQ sheathing-to-CFS screw	p. 213
Deck-Drive DHPD Hardwood screw	p. 191	Strong Drive® WSNTL Subfloor screw	p. 202
Trim-head screw: Type-17 point	p. 193	Strong Drive WSV Subfloor screw	p. 200
Trim-head screw: sharp point	p. 192	Deck-Drive DCU Composite screw	p. 197

System Options	Model No.
DeWalt 2,500 rpm screwdriver motor	PRO300SD25K
Makita 2,500 rpm screwdriver motor	PRO300SM25K
Makita 3,500 rpm screwdriver motor	PRO300SM35K
Parts	**Model No.**
Attachment only	QDPRO300SG2
Replacement attachment mandrel	PMANDREL75

For more information on screwdriver motors and RPM recommendations per application, see pp. 178–180.

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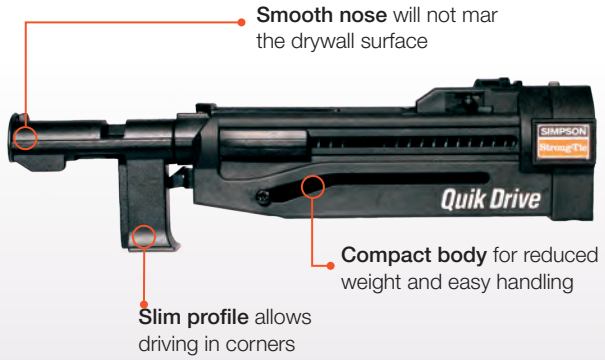
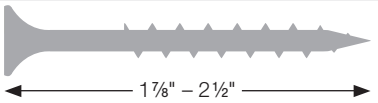
PRO250DWG2 Drywall Attachment



Drive These Collated Screws	
	
DWC drywall screw	p. 203
DWHL drywall-to-CFS screw	p. 204
DWFSD drywall-to-CFS screw	p. 214

Applications: Fasten drywall to wood or steel

Parts	Model No.
Attachment only	QDPRO250DWG2
Replacement mandrel	PMANDREL75

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

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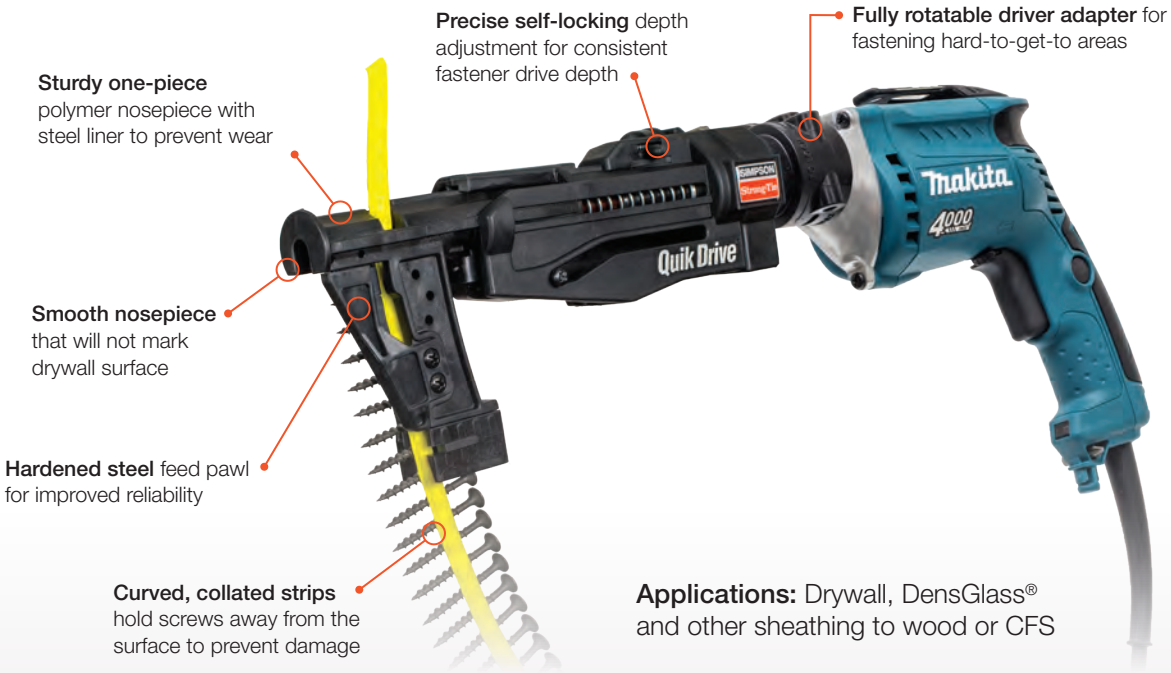
PRODW Drywall System



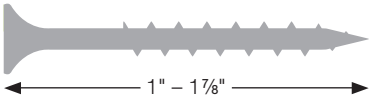
Applications: Drywall, DensGlass® and other sheathing to wood or CFS

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

The PRODW system includes:

- PRODW drywall attachment
- Makita® 4,000 rpm screwdriver motor
- Quiver for keeping screws at your fingertips

PRODW drywall attachment tool is also sold separately.

Drive These Collated Screws	
 1" – 1⅞"	
DWC drywall screw	p. 203
DWHL drywall screw	p. 204
DWF drywall-to-CFS screw	p. 214
DWFSD drywall-to-CFS screw	p. 214

System Options	Model No.
Makita 4,000 rpm screwdriver motor	PRODWM40K
Parts	**Model No.**
Attachment only	QDPRODW
Replacement attachment mandrel	PMANDREL65B
#2 Phillips replacement bits — 3 pack	BIT2P-RC3
#2 Phillips replacement bits — 10 pack	BIT2P-RC10

For more information on screwdriver motors and RPM recommendations per application, see pp. 178–180.

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PRO200G2 Drywall System

Applications: Drywall to wood or steel

- Compact body for reduced weight and easy handling
- Slim profile allows driving in corners
- Smooth nose piece will not mar drywall surface
- Patented curved collation strips (US Patent 7,051,875) hold the screws up and away from the work surface, making moving and positioning the tool easier. They are also pointed on the inserted end to simplify loading.

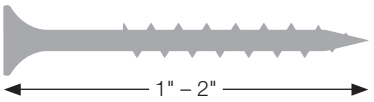
Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

The PRO200G2 system includes:

- PRO200G2 drywall attachment
- Extension for stand-up driving
- Choice of Makita® or DeWalt® screwdriver motors
- Screw quiver for keeping screws at your fingertips
- Rugged tool case to protect your equipment

For longer drywall screws (2¼"), see the PRO250DWG2 attachment on p. 164.

PRO200G2 drywall attachment tool is also sold separately.

Drive These Collated Screws	
	
DWC drywall screw	p. 203
DWHL drywall screw	p. 204
DWF drywall-to-CFS screw	p. 214
DWFSD drywall-to-CFS screw	p. 214

System Options	Model No.
DeWalt 2,500 rpm screwdriver motor	PRO200G2D25K
Makita 2,500 rpm screwdriver motor	PRO200G2M25K
Parts	**Model No.**
Attachment only	QDPRO200G2
Replacement attachment mandrel	PMANDREL65

For more information on screwdriver motors and RPM recommendations per application, see pp. 178–180.

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PRO200SG2 Multi-Purpose System

Uniform toenailing and countersink on slick surfaces

Sure-grip guide tube increases stability with shorter screws

Applications: Subfloor to wood or steel, sheathing, fiber-cement siding to steel, gypsum panel to wood or steel

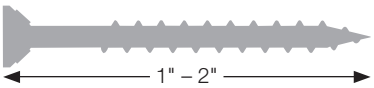
- Expanded depth settings for high-density flooring materials
- Reversible and replaceable non-skid teeth attachment
- Patented curved collation strips (US Patent 7,051,875) hold the screws up and away from the work surface, making moving and positioning the tool easier; they are also pointed on the inserted end to simplify loading

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

The PRO200SG2 system includes:

- PRO200SG2 multi-purpose attachment
- Extension for stand-up driving
- DeWalt® screwdriver motor
- Screw quiver for keeping screws at your fingertips
- Rugged tool case to protect your equipment

PRO200SG2 multi-purpose attachment tool is also sold separately.

Drive These Collated Screws			
			
Strong-Drive® WSV Subfloor screw	p. 200	DWC drywall screw	p. 203
Strong-Drive WSNTL Subfloor screw	p. 202	DWF drywall-to-CFS screw	p. 214
WSHL subfloor screw	p. 203	DWFSD drywall-to-CFS screw	p. 214
WSC wood screw	p. 206	CBSDQ sheathing-to-CFS screw	p. 213
FHSD wood-to-CFS screw	p. 215	MTH wood underlayment screw	p. 204

System Options	Model No.
DeWalt 2,500 rpm screwdriver motor	PRO200SD25K
Parts	**Model No.**
Attachment only	QDPRO200SG2
Replacement mandrel	PMANDREL75

For more information on screwdriver motors and RPM recommendations per application, see pp. 178–180.

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PROLDHG2 Underlayment / Backerboard System

Applications: Cement board and fiber-cement board underlayment/backerboard to wood or steel

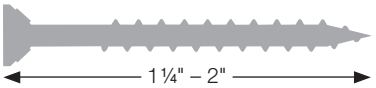
- Slim profile allows driving in corners
- Drives fasteners that meet ANSI standards
- Compact body for reduced weight and easy handling

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

The PROLDHG2 system includes:

- PROLDHG2 underlayment/backerboard attachment
- Extension for stand-up driving
- Makita® screwdriver motor
- Screw quiver for keeping screws at your fingertips
- Rugged tool case to protect your equipment

PROLDHG2 underlayment/backerboard attachment tool is also sold separately.

Drive These Collated Screws	
	
CB3BLG fiber-cement board screw	p. 194
CB3BLGHL cement board screw	p. 194

System Options	Model No.
Makita® 2,500 rpm screwdriver motor	PROLDHG2M25K
Parts	**Model No.**
Attachment only	QDPROLDHG2
Replacement attachment mandrel	PMANDREL65

For more information on screwdriver motors and RPM recommendations per application, see pp. 178–180.

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PRORFG2 Roofing Tile System

Applications: Roofing tiles to wood

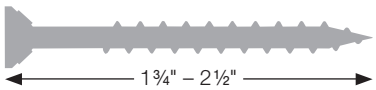
- Precision depth settings prevent tile breakage
- Window in guide tube provides visibility to allow exact screw placement
- Drives fasteners meeting code requirements

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

The PRORFG2 system includes:

- PRORFG2 roofing tile attachment
- Choice of Makita® screwdriver motors
- Screw quiver for keeping screws at your fingertips
- Rugged tool case to protect your equipment

PRORFG2 roofing tile attachment tool is also sold separately.

Drive These Collated Screws	
	
WSCD roofing tile screw	p. 196
WSCT roofing tile screw	p. 196
SSWSCB roofing tile screw	p. 196

System Options	Model No.
Makita 3,500 rpm screwdriver motor	PRORFG2M35K
Parts	**Model No.**
Attachment only	QDPRORFG2
Replacement attachment mandrel	PMANDREL75

For more information on screwdriver motors and RPM recommendations per application, see pp. 178–180.

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PRO300SRFG2 Roofing Tile System

Visibility window allows precise visual placement of screws

Applications: Roofing tiles to wood

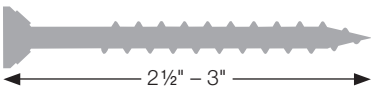
- Precision depth settings prevent tile breakage
- Window in guide tube provides visibility to allow exact screw placement
- Drives fasteners meeting code requirements
- The patented curved collation strips (US Patent 7,051,875) hold the screws up and away from the work surface, making moving and positioning the tool easier; they are also pointed on the inserted end to simplify loading

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

The PRO300SRFG2 system includes:

- PRO300SRFG2 roofing tile attachment
- Choice of Makita® screwdriver motors
- Screw quiver for keeping screws at your fingertips
- Rugged tool case to protect your equipment

PRO300SRFG2 roofing tile attachment tool is also sold separately.

Drive These Collated Screws	
	
WSCD roofing tile screw	p. 196
WSCT roofing tile screw	p. 196
SSWSCB roofing tile screw	p. 196

System Options	Model No.
Makita 2,500 rpm screwdriver motor	PRO300SRFG2M25K
Makita 3,500 rpm screwdriver motor	PRO300SRFG2M35K
Parts	**Model No.**
Attachment only	QDPRO300SRFG2
Replacement attachment mandrel	PMANDREL75

For more information on screwdriver motors and RPM recommendations per application, see pp. 178–180.

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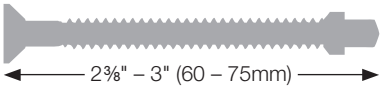
PROHSD60 Wood-to-Steel Attachment

Drive These Collated Screws	
	
Strong-Drive® TB Wood-to-Steel screw	p. 207

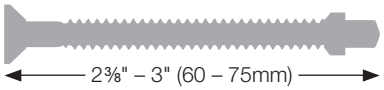
Parts	Model No.
Attachment only	QDHSD60
Replacement attachment mandrel	PMANDREL75

Applications: Truck beds and trailer flooring to steel, wood nailers to structural steel

- Slim profile allows driving in corners
- Compact body for reduced weight and easy handling

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

PROHSD75 Wood-to-Steel Attachment

Drive These Collated Screws	
	
Strong-Drive TB Wood-to-Steel screw	p. 207

Parts	Model No.
Attachment only	QDHSD75
Replacement attachment mandrel	PMANDREL75

Applications: Truck beds and trailer flooring to steel, wood nailers to structural steel

- Slim profile allows driving in corners
- Compact body for reduced weight and easy handling

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

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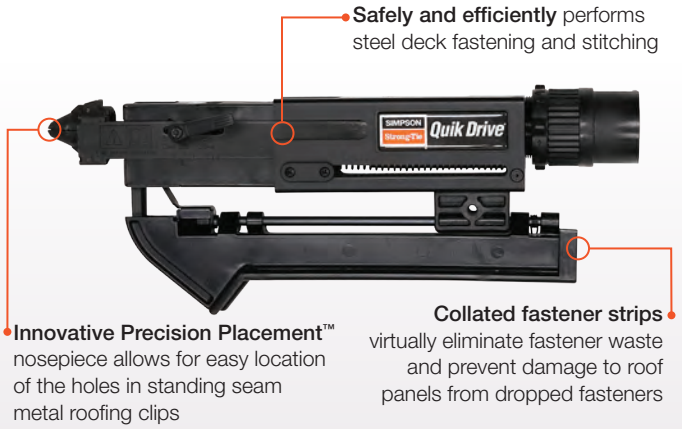
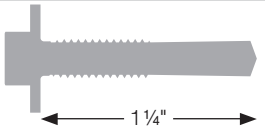
BSD200G2 Structural Steel-Decking Attachment



Applications: Steel decking and stitching; fastening for cold-formed steel; wide-valley nestable deck to structural steel members

- Patented belt collation enables auto-feed fastening of screws (US Patent 6,783,001)
- Profile guide on nosepiece ensures uniform screw placement
- The extension enables standup fastening
- Depth control prevents over-driving
- Designed to eliminate skipped screws, reducing screw waste (patent pending)

Drive These Collated Screws	
	
Strong-Drive® XL Large-Head Metal screw	p. 210

Parts	Model No.
Attachment only	QDBSD200G2
Replacement 5⁄16" hex bit	BITHEXLB516LG
Replacement extension	QDEXTG2-16
Replacement mandrel with 5⁄16" hex bit	BPHXLBBGP516G2

For more information on screwdriver motors and RPM recommendations per application, see pp. 178–180.

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

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PROSDX150G2 Steel-Decking System

Innovative Precision Placement™ nosepiece for accurate driving and accurate location

Applications: Steel deck fastening to structural steel members; narrow-valley nestable and interlocking steel decking; side-lap stitching

- Features a Precision Placement™ nosepiece for accurate driving
- One system for fastening steel decking to structural members and steel stitching
- Designed for both the Strong-Drive® XM Medium-Head Metal screw and the Strong-Drive Self-Drilling X Metal screw

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

The PROSDX150G2 system includes:

- PROSDX150G2 steel-decking attachment
- Extension for stand-up driving
- DeWalt® screwdriver motor
- Screw quiver for keeping screws at your fingertips

PROSDX150G2 steel-decking attachment tool is also sold separately.

Drive These Collated Screws	
¾" – 1 ½"	
Strong-Drive XM Medium-Head Metal screw	p. 210
Strong-Drive Self-Drilling X Metal screw	p. 211

System Options	Model No.
DeWalt 2,000 rpm adjustable torque motor	PROSDX150G2DATK
Parts	**Model No.**
Attachment only	QDPROSDX150G2
Replacement extension	QDEXTG2-16
Replacement 5⁄16" hex bit	BITHEXLB516LG
Replacement hex mandrel with 5⁄16" hex bit	BPHXLBSDG2

For more information on screwdriver motors and RPM recommendations per application, see pp. 178–180. System includes mandrels for driving recessed and 5⁄16" hex bits.

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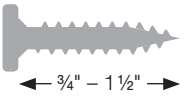
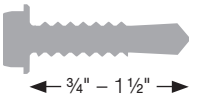
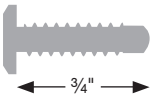
PROPP150G2 Metal Roofing Attachment

Innovative Precision Placement™
nosepiece allows for easy location

Applications: Panel clips for standing-seam roofing, steel decking to structural steel members, panel flanges for snap-and-seam metal roofing

- Innovative Precision Placement nosepiece allows for easy location of the holes in standing seam metal roofing clips
- Auto-feed mechanism provides hands-free screw advancement, eliminating handling of individual screws, cutting installation time in half
- Screws available in four head styles with two levels of corrosion resistance

Drive These Collated Screws	
	
PC standing-seam-roofing panel clip screw	p. 195
	
Strong-Drive® Self-Drilling X Metal screw	p. 211
	
Strong-Drive FPHSD Framing-to-CFS screw	p. 208

Parts	Model No.
Attachment only	QDPROPP150G2
Replacement attachment mandrel	PMANDREL10
Replacement hex bit and mandrel	BPHXLBPPG2

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

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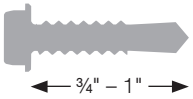
PROHX516G2 Steel-to-Steel Fastening Attachment

Drive These Collated Screws	
	
Strong-Drive® Self-Drilling X Metal screw	p. 211

Applications: Cold-formed steel framing, steel decking to structural steel members

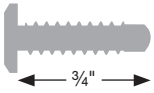
Features:

- Compact body for reduced weight and easy handling
- Slim profile allows driving in corners
- Tough reliability for targeted applications

Parts	Model No.
Attachment only	QDPROHX516G2
Replacement mandrel	BPHX516G2

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

PROPHG2 Cold-Formed Steel Framing Attachment

Drive These Collated Screws	
	
Strong-Drive FPHSD Framing-to-CFS screw	p. 208
Strong-Drive PHSD Framing-to-CFS screw	p. 208

Applications: Fasten cold-formed steel framing

Features:

- Compact body for reduced weight and easy handling
- Slim profile allows driving in corners
- Tough reliability for targeted applications

Description	Model No.
Attachment only	QDPROPHG2
Replacement mandrel	PMANDREL65
Noseguard	PNOSEGUARD-5

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

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PROSDD Multi-Purpose Combo System

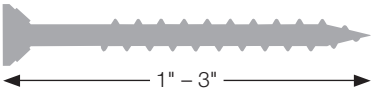
Applications: Decks/docks, subfloor, drywall, wallplates, stair treads, fiber-cement siding to steel

- Expanded depth settings for high-density flooring materials
- Uniform toenailing and countersink on slick surfaces
- Reversible and replaceable non-skid teeth
- The patented curved collation strips (US Patent 7,051,875) hold the screws up and away from the work surface, making moving and positioning the tool easier; they are also pointed on the inserted end to simplify loading

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

The PROSDD combo system includes:

- PRO300SG2 decking attachment (also sold separately)
- PRO200G2 drywall attachment (also sold separately)
- Extension for stand-up driving
- Choice of DeWalt® or Makita® screwdriver motors
- Screw quiver for keeping screws at your fingertips
- Rugged tool case to protect your equipment

Drive These Collated Screws			
 1" – 3"			
Strong-Drive® WSNTL Subfloor screw	p. 202	Bugle-head wood screw	p. 193
Strong-Drive WSV Subfloor screw	p. 200	WSC wood screw	p. 195
Deck-Drive™ DCU Composite screw	p. 197	WSFLRV wood-to-CFS/aluminum screw	p. 215
Deck-Drive DSV Wood screw	p. 190	WSHL subfloor screw	p. 203
Deck-Drive DWP Wood SS screw	p. 191	CBSDQ sheathing-to-CFS screw	p. 213
Deck-Drive DHPD Hardwood screw	p. 191	DWC drywall screw	p. 203
Deck-Drive DCSD Composite-to-Steel screw	p. 199	DWF drywall-to-CFS screw	p. 214
Trim-Head screw: Type-17 point	p. 193	DWFSD drywall-to-CFS screw	p. 214
Trim-Head screw: sharp point	p. 192		

System Options	Model No.
DeWalt 2,500 rpm screwdriver motor	PROSDDD25K
Makita 2,500 rpm screwdriver motor	PROSDDM25K
Makita 3,500 rpm screwdriver motor	PROSDDM35K
Parts	**Model No.**
PRO300S attachment only	QDPRO300SG2
PRO200 attachment only	QDPRO200G2
Replacement PRO300S attachment mandrel	PMANDREL75
Replacement PRO200 attachment mandrel	PMANDREL65

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PROCCS+ Multi-Purpose Combo System

PRO300SG2 decking attachment

PRO200SG2 multi-purpose attachment

Non-skid teeth increase stability and provide uniform toenailing and countersink on slick surfaces

Sure-grip guide tube increases stability for a broad range of screws

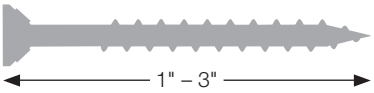
Applications: Subfloor to wood or steel, wall plates, stair treads, sheathing, decks/docks, fiber-cement siding to steel

- Expanded depth settings for high-density flooring materials
- Reversible and replaceable non-skid teeth
- Sure-grip guide tube increases stability for a broad range of screws
- The patented curved collation strips (US Patent 7,051,875) hold the screws up and away from the work surface, making moving and positioning the tool easier. They are also pointed on the inserted end to simplify loading.

Limited lifetime warranty on attachment and extension, 1-year limited warranty on screw-driver motors (see specific manufacturer's warranty for more information)

The PROCCS+ combo system includes:

- PRO300SG2 decking attachment (also sold separately)
- PRO200SG2 multi-purpose attachment (also sold separately)
- Extension for stand-up driving
- Choice of DeWalt® or Makita® screwdriver motors
- Screw quiver for keeping screws at your fingertips
- Rugged tool case to protect your equipment

Drive These Collated Screws			
			
Strong-Drive® WSNTL Subfloor screw	p. 202	Bugle-head wood screw	p. 193
Strong-Drive WSV Subfloor screw	p. 200	WSC wood screw	p. 195
Deck-Drive™ DCU Composite screw	p. 197	WSFLRV wood-to-CFS/aluminum screw	p. 215
Deck-Drive DWP Wood SS Screw	p. 191	WSHL subfloor screw	p. 203
Deck-Drive DHPD Hardwood Decking screw	p. 191	Strong-Drive PPSD Sheathing-to-CFS screw	p. 209
Deck-Drive DCSD Composite-to-Steel screw	p. 199	MTH wood underlayment screw	p. 204
Trim-head screw: Type-17 point	p. 193	CBSDQ sheathing-to-CFS screw	p. 213
Trim-head screw: sharp point	p. 192		

System Options	Model No.
DeWalt 2,500 rpm screwdriver motor	PROCCS+D25K
Makita 2,500 rpm screwdriver motor	PROCCS+M25K
Parts	**Model No.**
PRO300S attachment only	QDPRO300SG2
PRO200S attachment only	QDPRO200SG2
Replacement attachment mandrel	PMANDREL75

For more information on screwdriver motors and RPM recommendations per application, see pp. 178–180.

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Quik Drive Systems are Available with a Variety of Screwdriver Motors

The information below will aid in the selection of the right tool for the intended application. Not all motors are available with all systems; reference the appropriate systems page for available options.

Screwdriver Motors Sold in Quik Drive Systems

Description*	DeWalt® 2,000 rpm 6.5 amp 164 in./lb. peak torque*	DeWalt 2,500 rpm 6.5 amp 132 in./lb. torque*	Makita® 2,500 rpm 6.5 amp 133 in./lb. torque*
Features	Adjustable torque	Multi-application versatility	Multi-application versatility
Quik Drive Model Number	DW267QD	DW276QD	MAFS2500
Available in these Quik Drive Systems			
PRO200G2	—	PRO200SD25K	PRO200G2M25K
PRO250G2	—	PRO250G2D25K	PRO250G2M25K
PRODW	—	—	—
PROCCS+	—	PROCCS+D25K	PROCCS+M25K
PROLDHG2	—	—	PROLDHG2M25K
PROPP150G2	—	—	—
PROSDX150G2	PROSDX150G2DATK	—	—
BSD200G2	—	—	—
PRORFG2	—	—	—
PROSDD	—	PROSDDD25K	PROSDDM25K
PRO300SRFG2	—	—	PRO300SRFG2M25K
PRO300SG2	—	PRO300SD25K	PRO300SM25K
PROHSD60	—	—	—
PROHSD75	—	—	—
PRO200SG2	—	PRO200SD25K	—

*This information provided by screwdriver motor manufacturers. All screwdriver motors may also be purchased separately using the tool model number.

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Quik Drive® — Screwdriver Motors

Screwdriver Motors Sold in Quik Drive Systems

Description*	Makita® 4,000 rpm 6 amp 107 in./lb. peak torque*	Makita 3,500 rpm 6.5 amp 107 in./lb. peak torque*	Makita 1,000–2,000 rpm 4.6 amp (2 speeds) 177 in./lb. peak torque*
Features	Increased speed for low-torque applications	Increased speed for low-torque applications	Two speeds for heavy-gauge steel applications
Quik Drive Model Number	MAFS4200	—	MA6807Z
Available in these Quik Drive Systems			
PRO200	—	—	—
PRO250	—	PRO250G2M35K	—
PRODW	PRODWM40K	—	—
PROCCS+	—	—	—
PROLDH	—	—	—
PROPP150	—	—	—
PROSDX150	—	—	—
BSD200	—	—	—
PRORF	—	PRORFG2M35K	—
PROSDD	—	PROSDDM35K	—
PRO300SRF	—	PRO300SRFG2M35K	—
PRO300S	—	PRO300SM35K	—
PROHSD60	—	—	—
PROHSD75	—	—	—
PRO200S	—	—	—

*This information provided by screwdriver motor manufacturers. All screwdriver motors may also be purchased separately using the tool model number.

Screwdriver Motors — Sold Separately

This tool is not available in a system, and must be ordered separately.

	Description	Features	Tool Model No.
	Makita 6,000 rpm 6.0 amps	Maximum speed for drywall applications	MAFS6200
	DeWalt® 4,400 rpm	Brushless, cordless screwdriver motor	DCF620D2G2
	DeWalt 2,000 rpm	Brushless, cordless screwdriver motor, adjustable torque	DCF622M2G2

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Quik Drive Adjustable Countersink Feature

The adjustable countersink on Quik Drive auto-feed attachments allows the user to dial-in fastener penetration to match the material and application. Once the countersink depth is set, the driver bit automatically disengages from the head of the screw when the desired penetration is achieved, preventing over-driving. Screws can be driven to the right depth every time without the user having to slow down to check each fastener, making for faster work and more consistent results.

Some things to consider when using the countersink feature:

- Test and adjust the countersink depth using a scrap piece of lumber.
- Stainless-steel screws are softer than carbon steel screws. Therefore, care should be taken to set the countersink adjustment wheel to a drive depth that will not over-drive the screw during installation. Over-driving stainless-steel screws can cause breakage.
- For more information, visit **strongtie.com/quikdrivevideos**

Screwdriver Motor RPM Recommendations

Simpson Strong-Tie offers a large selection of screwdriver motors for Quik Drive auto-feed screw driving systems. It is important to select a motor with rpm specifications that suit the intended application(s) to ensure the best results. See the full selection of screwdriver motors on pp. 178–179.

Screwdriver Motor RPM Recommendations Per Application

Applications	4,400 rpm Cordless	2,000 rpm Cordless	2,500 rpm	3,500 rpm	4,000 rpm	6,000 rpm	2,000 rpm Adjustable Torque	1,000 – 2,000 rpm 2 Speed
Subfloor and Sheathing	—	Good	Better	**Best**	—	—	—	—
Decks/Docks	—	Good	**Best**	Better	—	—	—	—
Drywall	**Best**	—	Good	Better	**Best**	Better	—	—
Fiberglass-Mat Gypsum Sheathing	Good	Good	Good	Better	Good	Better	—	—
Fiber-Cement Siding	—	Good	**Best**	Good	—	—	—	—
Tile Roofing	**Best**	Good	**Best**	Better	Good	—	—	—
Metal Roofing and Siding	—	Good	**Best**	Better	—	—	—	—
Steel Framing	—	Good	**Best**	Good	—	—	Good	—
Steel Decking	—	Good	—	—	—	—	**Best**	—
Steel Stitching	—	Good	Good	—	—	—	**Best**	—
Underlayment	—	Good	**Best**	Better	—	—	—	—
Truck and Trailer Beds	—	—	Good	—	—	—	—	**Best**
Remodeling and General Purpose	—	Good	**Best**	Better	—	—	—	—

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Quik Drive® — Adapters

Adapters for Most Popular Screwdriver Motors

Screwgun	QD Adapter	Screwgun	QD Adapter	Screwgun	QD Adapter
DeWalt®		**Hilti®**		**Milwaukee®**	
252	DWAG2	ST 18	HT18G2	6701-20	MIAG2
254	DWAG2	ST 1800-A18 (cordless)	HT18G2	6702-20	MIAG2
255	DWAG2	SD2500	HTAG2	6707-20	MIAG2
257	DWAG2	SD4500	HTAG2	6708-21	MIAG2
260	DWAG2	SD5000 (cordless)	HTAG2	6740-20	MIAG2
265	DWAG2	SF4000 (cordless)	HTAG2	6741-1	MIAG2
266	DWAG2	**Makita®**		6742-20	MIAG2
267	DWA3G2	FS2200	MAA3G2	6743-20	MIAG2
268	DWA3G2	FS2500	MAA3G2	6743-50	MIAG2
272	DWAG2	FS4200	MAA3G2	6743-55	MIAG2
274	DWAG2	FS6200	MAA3G2	6745-1	MIAG2
275	DWAG2	LXSF01 (cordless)	MAA3G2	6746-1	MIAG2
276	DWAG2	BTD140 (cordless)	MAA1G2	6755-4	MIAG2
277	DWAG2	BTD141 (cordless)	MAA1G2	6758	MIAG2
281	DWAG2	BTD144 (cordless)	MAA1G2	6760	MIAG2
284	DWAG2	BTD142HW (cordless)	MAA1G2	6790-1	MIAG2
DCF620 (cordless)	DWA7G2	LXDT04 (cordless)	MAA6G2	6790-20	MIAG2
DCF622 (cordless)	DWA3G2	XSF03	MAA3G2	6791-20	MIAG2
DC825 (cordless)	DWA2G2	**Hitachi®**		2653	MIA1G2
825 (cordless)	DWAG2	W6VM	HIAG2		
827 (cordless)	DWAG2	W6V3	HIAG2		
835 (cordless)	DWAG2	W6V4	HIAG2		
845 (cordless)	DWAG2	W6VA4	HIAG2		
855 (cordless)	DWAG2	W6VB2	HIAG2		
DCF885 (cordless)	DWA6G2	W6VB3	HIAG2		
DCF886 (cordless)	DWA6G2	W8VB	HIAG2		
DCF887	DWA6G2	W8VB2	HIAG2		
895 (cordless)	DWA4G2				
969 (cordless)	DWA3G2				

Quik Drive — Swivel Adapters

- Rotates 360º without having to detach the tool from motor
- Allows the use of one hand to rotate tool
- Easily rotate screws out of the way for corner applications

Screwgun	QD Adapter
DeWalt	**Swivel**
252	DWASWG2
254	DWASWG2
255	DWASWG2
257	DWASWG2
260	DWASWG2
265	DWASWG2
266	DWASWG2
267	DWASWG2
268	DWASWG2
272	DWASWG2
274	DWASWG2
275	DWASWG2
277	DWASWG2
276	DWASWG2
281	DWASWG2
284	DWASWG2
Hilti	**Swivel**
SD4500	HTASWG2
Makita	**Swivel**
XSF03	MAA7G2

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Quik Drive® — Replacement Parts

Part	Model No.
Bit key for Quik Drive tools	BITKEY
Bit pack — 3 ea. Phillips-drive bit	BIT2P-RC3
Bit pack — 3 ea. #2 square-drive bit	BIT2S-RC3
Bit pack — 3 ea. #2 undersized square-drive bit	BIT2SU-RC3
Bit pack — 3 ea. #3 square drive	BIT3S-RC3
Bit pack — 3 ea. #3 undersize square drive	BIT3SU-RC3
Bit pack — 10 ea. #2 Phillips-drive bit	BIT2P-RC10
Bit pack — 10 ea. #2 square-drive bit	BIT2S-RC10
Bit pack — 10 ea. #2 undersize square-drive bit	BIT2SU-RC10
Bit pack — 10 ea. #3 square-drive bit	BIT3S-RC10
Bit pack — 10 ea. #3 undersize square-drive bit	BIT3SU-RC10
Bit pack — 10 ea. T-20 6-lobe drive bit	BITTX20-RC10
Bit pack — 3 ea. T-20 6-lobe drive bit	BITTX20-RC3
Bit pack — 10 ea. T-25 6-lobe drive bit	BITTX25-RC10
Bit pack — 3 ea. T-25 6-lobe drive bit	BITTX25-RC3
Driver bit, lobular, hex 5⁄16" for PROSDX150 tool	BITHEXLB516
Leafspring, HX516, PH, LDH, PROPP150, PROSDX150 attachments	QDLEAFSPRING2
Driver bit, lobular, hex 5⁄16" for PROSDX150	BITHEXLB516LG
Mandrel, 6½"	PMANDREL65-RC
Mandrel for PRODW, 6½"	PMANDREL65B
Mandrel, 7½"	PMANDREL75-RC
Mandrel, 10"	PMANDREL10
Mandrel, 5⁄16" hex with driver bit for PROPP150 series attachment	BPHXLBPPG2
Mandrel, HX516 attachment, with 5⁄16" driver bit	BPHX516G2
Mandrel, 5⁄16" hex with driver bit for PROSDX150 series attachment	BPHXLBSDG2

QDLEAFSPRING2

PMANDREL75-RC

Drive Types and Replacement Driver Bits

It is necessary to use the right driver bit to ensure optimum results with a Quik Drive system. The bit(s) included in each box of Quik Drive screws should be sufficient to drive the entire box, however variations in materials and driving techniques can shorten driver-bit life. Replacement bits are available in Bit Packs; reference the label on the bit included in the box or the box label to ensure correct driver-bit selection *(see table above for Bit Pack quantities and model numbers).*

Drive Type/Size		Bit	Description
	#2 square drive	R2	BIT2S — for most screws with #2 recess and interior-grade coating
	#2U (#2 undersized)	R2U	BIT2SU — for most screws with #2 recess and exterior-grade coating
	#3 square drive	R3	BIT3S — for most screws with #3 recess and interior-grade coating
	#3U (#3 undersized)	R3U	BIT3SU — for most screws with #3 recess and exterior-grade coating
	#2 Phillips	P2	BIT2P — for all Quik Drive screws with phillips recess
	5⁄16" lobular hex drive		BITHEXLB516 — for most screws with 5⁄16" lobular hex drive
	T-20 6-lobe		BITTX20 — for Quik Drive systems with T-20 6-lobe drive
	T-25 6-lobe		BITTX25 — for Quik Drive systems with T-25 6-lobe drive

BIT3S-RC10

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Quik Drive® — Accessories

Accessories	Model No.
Feed pawl, PRO250, PRO200S, PRO300S attachments	PFEEDPAWL
Feed pawl, twist lock for SDS, PRO200 attachments	PFEEDPAWLTL
Feed pawl, PROHSD attachments	PFEEDPAWL3
Feed pawl, PROHX, PROPH, PROLDH, PROPP attachments	PFEEDPAWL2
Feed Pawl PROPP, PROPH attachments	PFEEDPAWL5

Replacment Parts	Model No.
Case, PRO kits	TOOLCASE-LG
Deck clip, PRO300S, PRO200S, PRO250	QDDECKCLIP-RC
Extension, 16" (short), G2 series	QDEXTG2-16
Extension, 20" (standard), G2 series	QDEXTG2
Lightweight Extension, G3 20"	QDEXTG3
Lightweight Extension, G3 16"	QDEXTG3-16
Lightweight Extension, G3 22"	QDEXTG3-22
Extension replacement handle, G2 Series	G2HANDLE
Noseclip, PRO250, PRO200S, PRO300S attachments	PNOSECLIP
Noseguard, PROHX516 attachment	PNOSEGUARD-5
Screw quiver, worn on belt, carries up to 500 screws	QUIVER

Quik Drive G3 Lightweight Extension

QDEXTG2-16 (QDEXTG2 and QDEXTG2-22 similar)

PFEEDPAWL

PNOSECLIP

QUIVER

QDDECKCLIP-RC

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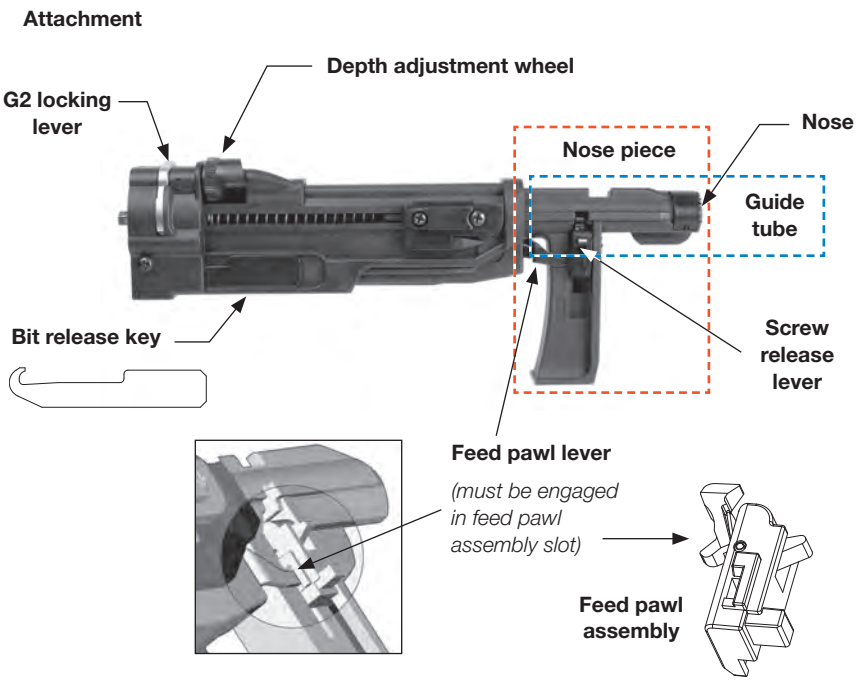
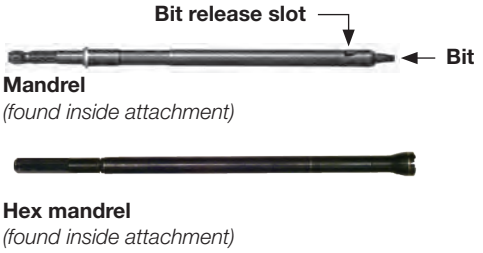
Quik Drive® — Schematics and Troubleshooting

System Components

Schematic





Part No.:

BPHX516G2 attachment: QDPROHX516G2

BPHXLBPPG2 attachment: QDPROPP150G2

PMANDREL10 attachment: QDPROPP150G2

PMANDREL65 attachments: QDPRO200G2, QDPROLDHG2, QDPROPHG2

PMANDREL75 attachments: QDPRO200SG2, QDPRO300SG2, QDPRORFG2, QDPRO300SRFG2, QDHSD60, QDHSD75

BPHXLBSDG2 attachment: QDPROSDX150G2

PMANDREL65B attachment: PRODW

Troubleshooting Guide

Simpson Strong-Tie® Quik Drive tools are easy to use. As with any power tool, there are a few basic things to remember for best performance.

Problem	Solution
Screws won't drive. They spin for a second, then lay over on their side. Little or no penetration.	Make sure the screwdriver motor is not in reverse.
Screws won't drive completely. They go down about halfway, then the bit spins out.	Check to be sure you are using the correct bit for the type of screws you are driving. Check for bit wear. It may be time to install a new bit. Push harder when driving.
Screws won't drive completely. They are almost completely driven but won't countersink completely.	Check the depth adjustment on the attachment. Reset if necessary. You may have missed the substrate. Example: In flooring, this will occur if you miss the joist.
Screws don't advance properly causing tool to jam.	Use only Simpson Strong-Tie Quik Drive brand collated screws. Be sure the screw strip is inserted correctly — pointed end first. Lift the tool completely off the work surface after driving each screw. Don't drag screw strips on the work surface as you move to the next position. Be sure the feed pawl assembly is intact and feed lever is engaged. Avoid the use of wet or spray lubricants that may attract wood or drywall dust.

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Limited Warranty on Quik Drive Tool

This Limited Lifetime Warranty applies to all Quik Drive tools and must be read in conjunction with the General Notes, Terms and Conditions of Sale, and Corrosion Resistance information contained in the current Quik Drive catalog and at **strongtie.com/info**, along with any information provided with a Simpson Strong-Tie Company Inc. ("Simpson") product. Screwguns, screw driver motors and batteries that may be supplied with the Quik Drive tools are manufactured by others and are warranted only by their respective manufacturers. Simpson Strong-Tie warrants the Quik Drive tools to the original purchaser to be free from substantial defects in material, manufacturing, and design for the lifetime of the product, if properly stored, maintained and used. This Warranty does not cover normal wear and tear or any Quik Drive tool that was: (1) purchased other than from an authorized Simpson Strong-Tie dealer, retailer or distributor; (2) modified or altered; (3) used with any fasteners other than authentic Quik Drive fasteners; (4) improperly serviced; or (5) subject to negligence, excessive uses, or any use not in accordance with the printed materials provided with the Quik Drive tool as determined by Simpson Strong-Tie. Purchaser's sole remedies are replacement or repair upon return to Simpson Strong-Tie with proof of purchase (shipping prepaid by purchaser). To obtain warranty service go to **strongtie.com** or contact Simpson Strong-Tie promptly at (800) 999-5099. The repaired or replaced Quik Drive tool is warranted under the terms of this Warranty.

SIMPSON DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL SIMPSON BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR SPECIAL DAMAGES OR DIRECT OR INDIRECT LOSS OF ANY KIND, INCLUDING BUT NOT LIMITED TO PROPERTY DAMAGE AND PERSONAL INJURY. SIMPSON'S ENTIRE LIABILITY IS LIMITED TO THE PURCHASE PRICE OF THE PRODUCT. SOME STATES DO NOT ALLOW LIMITATIONS ON IMPLIED WARRANTIES, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

Additional Quik Drive Safety Warnings

a. Keep work area clean and well lit.

b. Do not operate Simpson Strong-Tie® Quik Drive tools in dangerous environments. Do not expose tools to rain or use them in damp or wet locations. The use of Quik Drive tools can create sparks. Do not use in the presence of flammable liquids, dust or gases.

c. Keep bystanders, children and visitors away while operating a Quik Drive tool. Distractions can cause accidents and serious bodily injury.

Reduce Risk of Electrical-Related Accidents

a. Guard against electrical shock. Prevent body contact with grounded surfaces.

b. Never modify the tool power plug in any way. Always use a plug with a matching outlet. Use of proper, unmodified plugs and outlets reduces the risk of electric shock.

c. Do not abuse the power cord. Never carry a tool by its cord or pull the cord to disconnect from an outlet or other receptacle. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cord immediately. Damaged cords increase the risk of electrical shock.

d. When operating a tool outside, use extension cords suitable for outdoor use.

Personal Safety

a. Stay alert. Do not use a Quik Drive system while tired or under the influence of drugs, alcohol or medication. Use common sense when operating the tool. Inattention while operating Quik Drive system may result in serious bodily injury.

b. Dress properly when using a Quik Drive system. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, long hair or jewelry can be caught in moving parts and result in serious bodily injury. Be sure the power switch on a tool is in the off position before plugging in the tool. Do not carry tools with your finger on the switch.

c. Keep proper footing and balance at all times.

d. Always use safety equipment, such as protective glasses, dust masks, non-skid safety shoes, safety harnesses hard hats and/or earplugs.

Quik Drive Tool Use and Care

a. Do not force the Quik Drive tool. Use the correct tool for the application.

b. When not in use, Quik Drive systems should be stored in a dry place and out of the reach of children and other untrained persons.

c. Disconnect the plug from power source before making adjustments, changing accessories or storing tool.

d. Maintain Quik Drive tools with care. Follow instructions for changing accessories.

e. Regularly check for misalignment or binding of moving parts and other conditions that my affect operation.

f. Use only accessories recommended by Simpson Strong-Tie Company Inc.

g. Any repairs to electric tools should be performed by qualified personnel. Use only authorized parts.

h. Do not use wet or spray lubricants on any Quik Drive parts that may attract wood, metal or drywall dust.

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SIMPSON
Strong-Tie
Quik Drive
Less torque.
Less time.
More fastening.
Quik Drive® PRO250G2
Strong-Drive® WSV SUBFLOOR Screw

The patented curved collation strips (U.S. Patent 7,051,875) hold the screws up and away from the work surface, making moving and positioning the tool easier. They are also pointed on the inserted end to simplify loading.

Collated Screws
for the Quik Drive® System

Application/Fastener/Tool Matrix 188

Collated Exterior Screws

Deck-Drive™ DSV WOOD Screw 190
Deck-Drive™ DWP WOOD SS Screw 191
Deck-Drive™ DHPD HARDWOOD Screw 191
Trim-Head Screw — Sharp Point 192
Trim-Head Screw — Type-17 Point 193
Bugle-Head Wood Screw 193
CB3BLG Fiber-Cement Board Screw 194
CB3BLGHL Cement Board Screw 194
PC Standing-Seam-Roofing Panel Clip Screw 195
WSC Wood Screw 195
SSWSCB Roofing Tile Screw 196
WSCT Roofing Tile Screw 196
WSCD Roofing Tile Screw 196

Collated Composite Decking Screws

Deck-Drive™ DCU COMPOSITE Screw 197
Deck-Drive™ DCSD COMPOSITE-TO-STEEL Screw 199

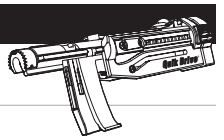
Collated Interior Screws

Strong-Drive® WSV SUBFLOOR Screw 200
Strong-Drive® WSNTL SUBFLOOR Screw 202
WSHL Subfloor Screw 203
DWC Drywall Screw 203
DWHL Drywall Screw 204
MTH Wood Underlayment Screw 204
PC Standing-Seam-Roofing Panel Clip Screw 205
WSC Wood Screw 206
WSCLT Wood Screw 206

Collated Metal Screws

Strong-Drive® TB WOOD-TO-STEEL Screw 207
Strong-Drive® PHSD FRAMING-TO-CFS Screw 208
Strong-Drive® FPHSD FRAMING-TO-CFS Screw 208
Strong-Drive® PPSD SHEATHING-TO-CFS Screw 209
Strong-Drive® XL LARGE-HEAD METAL Screw 210
Strong-Drive® XM MEDIUM-HEAD METAL Screw 210
Strong-Drive® Self-Drilling X Metal Screw 211
Steel-Deck Diaphragm Calculator 212
CBSDQ Sheathing-to-CFS Screw 213
DWF Drywall-to-CFS Screw 214
DWFSD Drywall-to-CFS Screw 214
FHSD Wood-to-CFS Screw 215
WSFLRV Wood-to-CFS/Aluminum Screw 215

Application / Fastener / Tool Matrix



SIMPSON Strong-Tie®

Application / Screw	Page	Suitable Systems/Attachments						
		PRO200SG2	PRO250G2	PRO300SG2	PRODW	PRORFG2	PRO300SRFG2	PROLDHG2
Deck/Dock								
DCU234	197			✓				
DSVG212S	190		✓	✓				
DSVG3S	190			✓				
DSVR114S	190	✓						
DSVR158S	190	✓	✓					
DSVR2S	190	✓	✓	✓				
DSVR212S	190		✓	✓				
DSVR3S	190			✓				
DSVT114S	190	✓						
DSVT158S	190	✓	✓					
DSVT2S	190	✓	✓	✓				
DSVT212S	190		✓	✓				
DSVT3S	190			✓				
DTHQ2S	193		✓	✓				
DTHQ212S	193		✓	✓				
DTHQ3S	193			✓				
HCKDSVT212S	190		✓	✓				
HCKDSVT2S	190		✓	✓				
SS3DSC212BS	193			✓				
SS3DSC212BS316	193			✓				
SS3DSC3BS	193			✓				
SS3DSC3BS316	193			✓				
SSDHPD212SB	191			✓				
SSDHPD212S	191			✓				
SSDTH2S	192	✓	✓	✓				
SSDTH212S	192		✓					
SSDTH3S	192			✓				
SSDWP212S305	191			✓				
SSDWP3S305	191			✓				
SSDWP212S316	191			✓				
SSDWP3S316	191			✓				
Wood to Wood								
WSCG134S	195	✓	✓	✓				
WSC114S-17	206	✓						
WSC112S	206	✓	✓					
WSCLT134S	206	✓	✓					
WSHL134S7	203	✓	✓					
WSV134S	200	✓	✓					
WSV2S	200	✓	✓	✓				
WSV3S	200			✓				
WSV212S	200		✓	✓				
Underlayment								
CB3BLG114S	194							✓
CB3BLGHL114S	194							✓
CB3BLG158S	194							✓
CB3BLGHL158S	194							✓
MTH114S	204	✓						
MTHZ1S	204	✓						
Fiber-Cement Siding to Steel								
CBSDQ158S	213	✓	✓					
CBSDQ214S	213		✓	✓				
Tile Roofing								
SSWSC2BS	196					✓	✓	
SSWSC134BS	196					✓	✓	
SSWSC212BS	196					✓	✓	
WSCD212S	196					✓	✓	
WSCD3S	196						✓	
WSCT212S	196					✓	✓	

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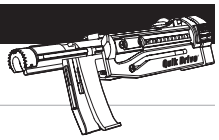
Application / Fastener / Tool Matrix



SIMPSON Strong-Tie®

Application / Screw	Page	Suitable Systems/Attachments											
		PRO200G2	PRODW	PRO200SG2	PRO250DWG2	PRO300SG2	PROPP150G2	PROHX516	PROSDX150	PROPHG2	PROHSD60	PROHSD75	BSD200G2
Drywall													
DWC1PS	203	✓	✓										
DWC114PS	203	✓	✓										
DWC158PS	203	✓	✓										
DWC2PS	203	✓			✓								
DWC212PS	203				✓								
DWF114PS	214	✓	✓										
DWF158PS	214	✓	✓										
DWFSD114PS	214	✓	✓	✓*									
DWFSD158PS	214	✓	✓	✓*									
DWFSD178PS	214	✓	✓		✓								
DWFSD238PS	214				✓								
DWFSDQ114PS	214	✓	✓	✓									
DWHL178PS	204	✓	✓		✓								
Metal Roofing/Siding to Wood/Steel													
PC1BS1012	205						✓						
PCQ112BS1012	195						✓						
SSPC1BS1012	205						✓						
Steel to Steel													
FPHSD34S1016	208						✓			✓			
FPHSD34S1214	208						✓			✓			
PHSD34S0818	208									✓			
X1S1016	211						✓	✓	✓				
XQ1S1016	211						✓	✓	✓				
X1S1214	211						✓	✓	✓				
XMQ114S1224	210								✓				
XLQ114T1224	210												✓
XQ1S1214	211						✓	✓	✓				
XU34S1016	211								✓				
Wood to Steel													
PPSD11516S0818	209			✓		✓							
PPSD134S1016	209			✓		✓							
PPSD3S1016	209					✓							
PPSD134S1214	209										✓		
PPSDQ11516S0818	209			✓		✓							
PPSDQ134S1016	209			✓		✓							
PPSDQ134S1214	209										✓		
SSFHSD112S1016	215						✓						
FHSD114S0818	215	✓		✓									
TB1440S	207										✓		
TB1445S	207										✓		
TB1460S	207										✓	✓	
TB1475S	207											✓	
TBG1245S	207										✓		
TBG1260S	207										✓	✓	
TBG1445S	207										✓		
TBG1460S	207										✓	✓	
TBG1475S	207											✓	
TBP1245S	207										✓		
TBP1260S	207										✓	✓	
TBP1460S	207										✓	✓	
TBP1475S	207											✓	
WSF1LRVS	215			✓									
WSF134LRVS	215			✓									
Composite Decking to Steel													
DCSD238S	199					✓							

* Drive with PRO200S only when fastening fiberglass-mat gypsum sheathing panels.

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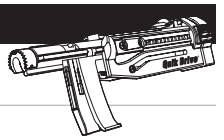


SIMPSON Strong-Tie®

Deck-Drive™ DSV WOOD Screw

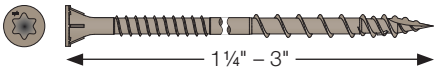
Preservative-Treated Decking and Exterior Wood-to-Wood Applications

The Deck-Drive DSV Wood screw is a powerful fastening solution for preservative-treated decking applications. With its under-head nibs and fast-start tip, the DSV is ideally suited to be driven and countersunk into today's wood deck boards. The shank is designed to withstand the swelling and shrinkage that is common with fast-growth lumber. Available in hand-drive and in collated strips for use in our Quik Drive® auto-feed screw driving system, DSV screws are also offered in a variety of sizes to fasten fascia and trim.

Features:

- Low-torque threads
- Ribbed-head design countersinks easily and provides a clean, finished appearance
- High-low threads with Type-17 point provides fast starts
- Optimized threads for lumber
- Quik Guard® coating provides corrosion resistance for exterior and certain preservative-treated wood applications
- Meets the performance requirements of ICC-ES AC257 exposure conditions 1 and 3
- Colors to blend in with most woods
- This screw is also available in bulk for hand-drive installation; see p. 65 for details

Quik Guard Coating — Tan



Size	Length (in.)	500 ct. Model No.	750 ct. Model No.	1,000 ct. Model No.	1,500 ct. Model No.	2,000 ct. Model No.	PRO 300SG2	PRO 250G2	PRO 200SG2
# 8	1¼	—	—	—	—	DSVT114S			✓
# 8	1⅝	—	—	—	—	DSVT158S		✓	✓
#10	2	—	HCKDSVT2S	—	DSVT2S	—	✓	✓	✓
#10	2½	HCKDSVT212S	—	DSVT212S	—	—	✓	✓	
#10	3	—	—	DSVT3S	—	—	✓		

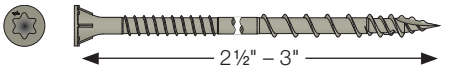
Tan

Quik Guard Coating — Red

Size	Length (in.)	1,000 ct. Model No.	1,500 ct. Model No.	2,000 ct. Model No.	PRO 300SG2	PRO 250G2	PRO 200SG2
#8	1¼	—	—	DSVR114S			✓
#8	1⅝	—	—	DSVR158S		✓	✓
#10	2	—	DSVR2S	—	✓	✓	✓
#10	2½	DSVR212S	—	—	✓	✓	
#10	3	DSVR3S	—	—	✓		

Red

Quik Guard Coating — Gray



Size	Length (in.)	1,000 ct. Model No.	PRO 300SG2	PRO 250G2	PRO 200SG2
#10	2½	DSVG212S	✓	✓	
#10	3	DSVG3S	✓		

Gray

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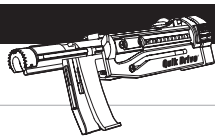


SIMPSON Strong-Tie®

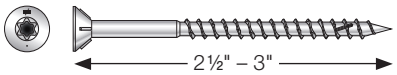
Deck-Drive™ DWP WOOD SS Screw

Decking, Docks and Boardwalks; Finishing, Millwork and Trim

The Deck-Drive DWP Wood SS screw is a powerful fastening solution for deck, dock and general exterior applications where extra corrosion protection is needed. With its specially-designed sharp-point and unique box-threads, the DWP is ideally suited for the majority of wood used in today's wood deck boards. Choose Type 316 stainless steel for seaside and coastal environments. Available in hand-drive and in collated strips for use in our Quik Drive® auto-feed screw driving system.

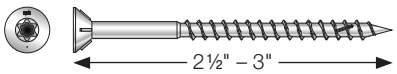
Features:

- Unique "box" thread design with raised-ridge technology greatly reduces driving torque
- Specially-designed sharp point penetrates hard wood products with ease
- 6-lobe drive helps prevent driver-bit cam-out while driving easier and extending bit life (replacement bit BITTX25; see p.182 for more information)
- Choose Type 316 stainless steel for seaside applications and superior corrosion resistance
- This screw is also available in bulk for hand-drive installation; see pp. 62–64 for details



Type 316 Stainless Steel

Size	Length (in.)	1,000 ct. Model No.	1,500 ct. Model No.	PRO300SG2
#10	2½	—	SSDWP212S316	✓
#10	3	SSDWP3S316	—	✓



Type 305 Stainless Steel

Size	Length (in.)	1,000 ct. Model No.	1,500 ct. Model No.	PRO300SG2
#10	2½	—	SSDWP212S305	✓
#10	3	SSDWP3S305	—	✓

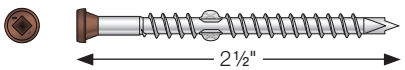
Deck-Drive™ DHPD HARDWOOD Screw

Hardwood Decking, Docks and Boardwalks

The Deck-Drive DHPD Hardwood screw is specially designed to penetrate the hardest wood products with ease. With its unique paddle-style drill point, it virtually eliminates splitting without predrilling. The wings on the shaft counterbore hard material, allowing the head to countersink easily for a clean, finished look. Available in Type 305 stainless steel for additional corrosion protection.

Features:

- Penetrate the hardest wood products without predrilling
- Compact head ensures a low-profile installation and reduced visibility
- Wings on the shank counter-bore hard material and allow the head to countersink for a clean look
- Driver bit included in each package
- #2 square drive (replacement bit model BIT2S; see p. 105 for more information)
- This screw is also available in bulk for hand-drive installation; see p. 66 for details



Type 305 Stainless Steel

Length (in.)	Shank Size	Threads Per Inch	Color	Contractor Pack		PRO300SG2
				Fasteners Per Pack	Model No.	
2½	#10	10	Unpainted	1,000	SSDHPD212S	✓
2½	#10	10	Tan 03	1,000	SSDHPD212SB	✓

Tan 03

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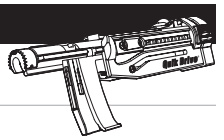
Collated Exterior Screws

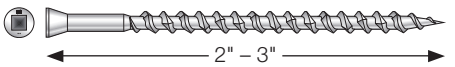


SIMPSON Strong-Tie®

Trim-Head Screw — Sharp Point

Features:

- Trim head
- #2 square drive (driver bit in each box; replacement bit model BIT2S)
- Box threads
- Curved collation
- Painted heads available in colors to match Azek® decking as well as a variety of decking colors from other manufacturers



Type 305 Stainless Steel

Length (in.)	Shank Size	Head Color	Contractor Pack		PRO 250G2	PRO 300SG2
			Fasteners Per Pack	Model No.		
2	#7	Unpainted	2,000	SSDTH2S	✓	
2½	#7	Unpainted	1,000	SSDTH212S	✓	
3	#7	Unpainted	1,000	SSDTH3S		✓
2½	#7	Brown 01	1,000	DTH212S305BR01	✓	
2½	#7	Brown 05	1,000	DTH212S305BR05	✓	
2½	#7	Gray	1,000	DTH212S305GR	✓	
2½	#7	Gray 01	1,000	DTH212S305GR01	✓	
2½	#7	Gray 03	1,000	DTH212S305GR03	✓	
2½	#7	Gray 04	1,000	DTH212S305GR04	✓	
2½	#7	Tan	1,000	DTH212S305TN	✓	
2½	#7	Tan 01	1,000	DTH212S305TN01	✓	
2½	#7	Tan 02	1,000	DTH212S305TN02	✓	
2½	#7	Tan 03	1,000	DTH212S305TN03	✓	
2½	#7	Tan 04	1,000	DTH212S305TN04	✓	
2½	#7	Red 01	1,000	DTH212S305RD01	✓	

Brown 01, Brown 05, Gray, Gray 01, Gray 03, Gray 04, Tan, Tan 01, Tan 02, Tan 03, Tan 04, Red 01

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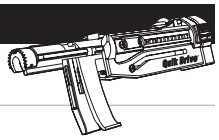
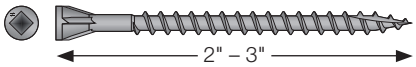


Trim-Head Screw — Type-17 Point

Features:

- Trim head with nibs for easy countersinking
- #2 undersized square drive (driver bit in each box; replacement bit model BIT2SU)
- Coarse threads
- Curved collation



Quik Guard® Coating

Length (in.)	Shank Size	Contractor Pack		PRO200SG2	PRO250G2	PRO300SG2
		Fasteners Per Pack	Model No.			
2	#8	2,000	DTHQ2S	✓	✓	✓
2½	#8	1,500	DTHQ212S		✓	✓
3	#8	1,000	DTHQ3S			✓

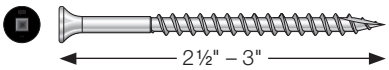
Bugle-Head Wood Screw

Common Applications:

Wood decking to wood

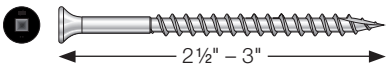
Features:

- #3 square drive (driver bit in each box; replacement bit model BIT3S)
- Coarse threads
- Type-17 point
- Available in Types 316 and 305 stainless steel
- Curved collation



Type 316 Stainless Steel

Length (in.)	Shank Size	Carton Quantity	Model No.	PRO300SG2
2½	#10	1,500	SS3DSC212BS316	✓
3	#10	1,000	SS3DSC3BS316	✓



Type 305 Stainless Steel

Length (in.)	Shank Size	Carton Quantity	Model No.	PRO300SG2
2½	#10	1,500	SS3DSC212BS	✓
3	#10	1,000	SS3DSC3BS	✓

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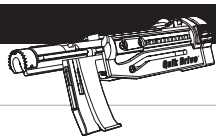


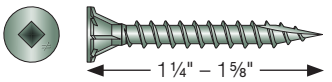
SIMPSON Strong-Tie®

CB3BLG Fiber-Cement Board Screw

Common Applications:
Dense fiber-cement board to wood

Features:
- 0.375" ribbed wafer head with nibs for easy countersinking
- #3 undersized square drive (driver bit in each box; replacement bit model BIT3SU)
- Coarse threads
- Type-17 point
- C-3 mechanically galvanized coating
- Straight collation

Codes/Standards: ANSI A108 compliant



C-3 Mechanically Galvanized Coating

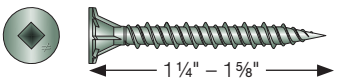
Length (in.)	Shank Size	Threads Per Inch	Contractor Pack		PROLDHG2
			Fasteners Per Pack	Model No.	
1¼	#10	10	1,500	CB3BLG114S	✓
1⅝	#10	10	1,500	CB3BLG158S	✓

CB3BLGHL Cement Board Screw

Common Applications:
Cement board to wood (for coarse, porous and softer materials)

Features:
- 0.375" ribbed wafer head with nibs for easy countersinking
- #3 undersized square drive (driver bit in each box; replacement bit model BIT3SU)
- Alternating high-low threads
- Sharp point
- C-3 mechanically galvanized coating
- Straight collation

Codes/Standards: ANSI A108 compliant



C-3 Mechanically Galvanized Coating

Length (in.)	Shank Size	Threads Per Inch	Contractor Pack		PROLDHG2
			Fasteners Per Pack	Model No.	
1¼	#9	15 high-low	1,500	CB3BLGHL114S	✓
1⅝	#9	15 high-low	1,500	CB3BLGHL158S	✓

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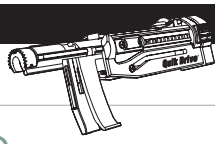


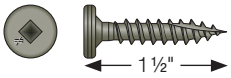
PC Standing-Seam-Roofing Panel Clip Screw

Common Applications:
Standing-seam-roofing panel clips to wood

Features:
- Pancake head
- #2 square drive (driver bit in each box; replacement bit model BIT2SU)
- Type-17 point
- Straight collation

Codes/Standards: ASTM C1513 compliant

Warning: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, use this product in dry, interior and noncorrosive environments only.



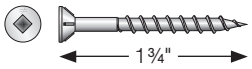
Quik Guard® Coating

Length (in.)	Shank Size	Threads Per Inch	Carton Quantity	Model No.	PROPP150G2
1½	#10	12	1,500	PCQ112BS1012	✓

WSC Wood Screw

Common Applications:
Wood to wood

Features:
- Flat head with nibs under the head for easier countersinking
- #2 square drive (replacement bit models BIT2SU)
- Coarse threads
- Curved collation



N2000® Coating

Length (in.)	Shank Size	Point Type	Carton Quantity	Model No.	PRO200SG2	PRO250G2	PRO300SG2
1¾	#8	Sharp point	2,000	WSCG134S	✓	✓	✓

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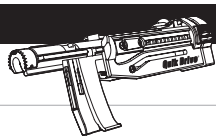
Collated Exterior Screws

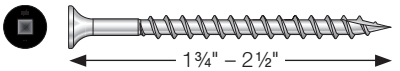


SSWSCB Roofing Tile Screw

Common Applications:
Roofing tiles to wood

Features:
- Bugle head
- #2 square drive (driver bit in each box; replacement bit model BIT2S)
- Coarse threads
- Type-17 point
- Curved collation

Codes/Standards: Meets the requirements of the Tile Roofing Institute as described in ESR-2015P. A Miami-Dade compliant roofing product (2" and 2½" only).



Type 305 Stainless Steel

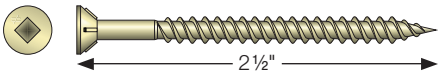
Length (in.)	Shank Size	Carton Quantity	Model No.	PRORFG2	PRO300SRFG2
1¾	#8	2,000	SSWSC134BS	✓	
2	#8	2,000	SSWSC2BS	✓	✓
2½	#8	1,500	SSWSC212BS	✓	✓

WSCT Roofing Tile Screw

Common Applications:
Roofing tiles to wood

Features:
- Flat head
- #3 square drive (driver bit in each box; replacement bit model BIT3S)
- Twin threads
- Sharp point
- Curved collation

Codes/Standards: ASTM A641 (Class 1)



Heavy Zinc Electroplate

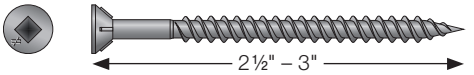
Length (in.)	Shank Size	Carton Quantity	Model No.	PRORFG2	PRO300SRFG2
2½	#8	1,500	WSCT212S	✓	✓

WSCD Roofing Tile Screw

Common Applications:
Roofing tiles to wood

Features:
- Flat head
- #3 square drive (driver bit in each box; replacement bit model BIT3SU)
- Twin threads
- Sharp point
- Curved collation

Codes/Standards: Meets the requirements of the Tile Roofing Institute as described in ESR-2015P. Miami-Dade Fastener Listing 10-0330.06



Mechanically Galvanized – Class 55

Length (in.)	Shank Size	Carton Quantity	Model No.	PRORFG2	PRO300SRFG2
2½	#8	1,500	WSCD212S	✓	✓
3	#8	1,000	WSCD3S		✓

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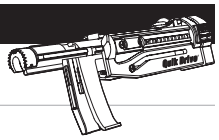
Collated Composite Decking Screws



SIMPSON Strong-Tie®

Deck-Drive™ DCU COMPOSITE Screw

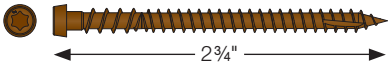
Fastening Composite Decking Boards

The Deck-Drive DCU Composite screw is engineered to provide beautiful fastening results for all types of composite decking while also offering greater ease of installation, a clean finish and superb corrosion resistance. The Deck-Drive DCU is the go-to-screw for all your composite decking applications, eliminating the need to mix and match screws to the decking they are suited for.

Deck-Drive DCU Composite decking screws are available in carbon steel with our Quik Guard® coating. For superior corrosion resistance in marine or high-exposure environments, choose the appropriate stainless-steel DCU screw (Type 305 or Type 316). DCU screws provide a clean finish because of their special head design and are available in 11 colors, matched to blend with most major decking manufacturers.

Features:

- Available in carbon steel, as well as Type 305 and Type 316 stainless steel for high to severe levels of corrosion resistance
- Tri-lobe thread design reduces damage to the composite board while driving
- Inverted upper threads clear excess material to ensure the screw is seated properly and consistently
- Double-cut point penetrates composite decking with ease for faster starts
- Cap-head prevents mushrooming and material from rising up above the deck for a smoother, clean-looking installation
- Approved fastener (by Trex®) for Trex® composite decking
- Also available in bulk for hand-drive installation; see pp. 76–77 for details



Quik Guard® Coating

Size	Length (in.)	Color	Model No. (1,000 ct.)	PRO300SG2
#10	2¾	Brown 01	DCU234SBR01	✓
#10	2¾	Brown 05	DCU234SBR05	✓
#10	2¾	Gray	DCU234SGR	✓
#10	2¾	Gray 01	DCU234SGR01	✓
#10	2¾	Gray 04	DCU234SGR04	✓
#10	2¾	Red	DCU234SRD	✓
#10	2¾	Red 01	DCU234SRD01	✓
#10	2¾	Tan	DCU234STN	✓
#10	2¾	Tan 01	DCU234STN01	✓
#10	2¾	Tan 02	DCU234STN02	✓
#10	2¾	Tan 03	DCU234STN03	✓

Brown 01, Brown 05, Gray, Gray 01, Gray 04, Red, Red 01, Tan, Tan 01, Tan 02, Tan 03

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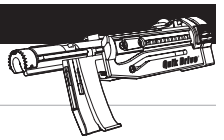
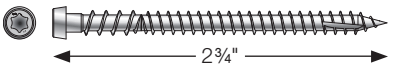


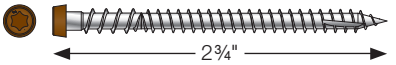
Deck·Drive™
DCU COMPOSITE Screw (cont.)

Type 305 or 316 Stainless Steel



Size	Length (in.)	Material	Model No. (1,000 ct.)	PRO300SG2
#10	2¾	Type 305 stainless steel	DCU234S305	✓
#10	2¾	Type 316 stainless steel	DCU234S316	✓

Type 316 Stainless Steel, Painted Head



Size	Length (in.)	Color	Model No. (1,000 ct.)	PRO300SG2
#10	2¾	Brown 01	DCU234S316BR01	✓
#10	2¾	Brown 05	DCU234S316BR05	✓
#10	2¾	Gray	DCU234S316GR	✓
#10	2¾	Gray 01	DCU234S316GR01	✓
#10	2¾	Gray 04	DCU234S316GR04	✓
#10	2¾	Red	DCU234S316RD	✓
#10	2¾	Red 01	DCU234S316RD01	✓
#10	2¾	Tan	DCU234S316TN	✓
#10	2¾	Tan 01	DCU234S316TN01	✓
#10	2¾	Tan 02	DCU234S316TN02	✓
#10	2¾	Tan 03	DCU234S316TN03	✓

Brown 01, Brown 05, Gray, Gray 01, Gray 04, Red, Red 01, Tan, Tan 01, Tan 02, Tan 03

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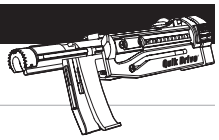
Collated Composite Decking Screws



SIMPSON Strong-Tie®

Deck·Drive™
DCSD COMPOSITE-TO-STEEL Screw

Composite Decking to Steel Deck Framing

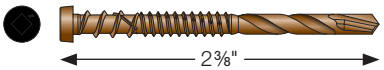
Features:

- Drives easily through double 14 ga. steel box beam without predrilling
- Provides a clean, finished deck surface with no mushrooming
- The Quik Drive® system holds the screw securely as it drills through the metal joist for a more consistent installation
- #2 square drive (replacement bit BIT2SU; see p. 182 for more information)

See pp. 24–25 for Color Reference Chart for Decking Manufacturers

Approved fastener (by Trex) for Trex® Elevations™

U.S. Patent 9,322,422



Quik Guard® Coating

Length (in.)	Size	Color	Quik Drive Part # (1,000 ct.)	PRO300SG2
2⅜	#10	Brown 01	DCSD238SBR01	✓
2⅜	#10	Tan 01	DCSD238STN01	✓
2⅜	#10	Gray 01	DCSD238SGR01	✓
2⅜	#10	Red 01	DCSD238SRD01	✓
2⅜	#10	Gray 04	DCSD238SGR04	✓
2⅜	#10	Tan 02	DCSD238STN02	✓

Brown 01, Tan 01, Gray 01, Red 01, Gray 04, Tan 02

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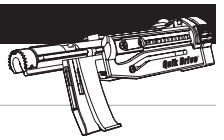


Strong-Drive®
WSV SUBFLOOR Screw

Subfloor and Sheathing Projects

Simpson Strong-Tie has re-engineered its popular subfloor screw to reduce driving force and increase installation speed. The new Strong-Drive WSV Subfloor screw has been developed for fastening subfloor sheathing using the Quik Drive® auto-feed screw driving system.

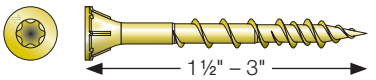
Features:

- Redesigned tip and thread pattern provides easy starts and up to 25% less torque while driving[1] — makes for up to 20% faster driving[2]
- Less installation torque also means less wear on tools
- Deep six-lobe recessed ribbed head provides clean countersinking and more secure bit retention for fewer cam-outs
- The holding power of WSV screws reduces the gaps between the joist and subfloor that cause floor squeaks
- WSV screws can be easily backed out allowing for future access to floor cavities
- 6-lobe T-25 drive bit (replacement bit BITTX25)

1. Test data shows the Strong-Drive WSV Subfloor screw requires up to 25% less driving torque in single-material LVL.
2. Test data indicates this redesigned WSV thread pattern will result in 20% faster screw installations.

Codes/Standards: ICC-ES ESR 1472

For Technical Data and Loads, see Technical Supplement



Yellow Zinc Coating

Length (in.)	Shank Size	Retail Pack		Contractor Pack		PRO200S	PRO250G2	PRO300S
		Fasteners Per Pack	Model No.	Fasteners Per Pack	Model No.			
1¾	#9	1,000	HCKWSV134S	2000	WSV134S	✓	✓	
2	#9	1,000	HCKWSV2S	2000	WSV2S	✓	✓	✓
2½	#9	750	HCKWSV212S	1500	WSV212S		✓	✓
3	#9	—	—	1000	WSV3S			✓

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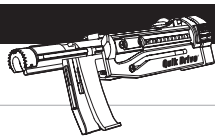
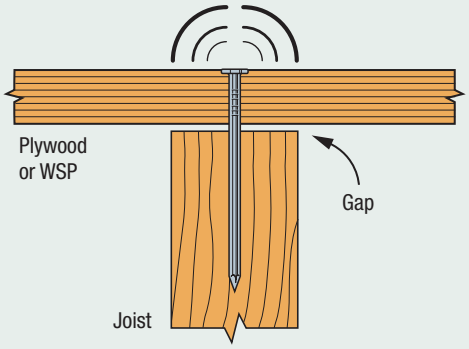


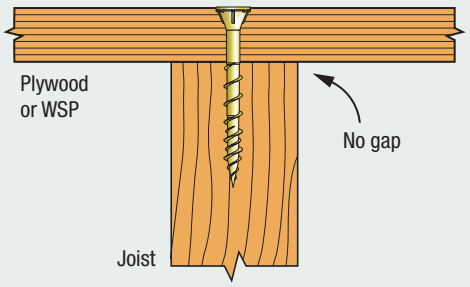
"Hear" the Difference over Time

Squeaking of newly installed floors can result in expensive (travel, labor, materials) callbacks and possibly a damaged reputation. Fastening subflooring with WSV Subfloor screws rather than pneumatic fasteners provides the power necessary to pull together joists and plywood (or WSP sheathing), eliminating any gaps, holding the materials firm and therefore reducing squeaks.



Subfloor Fastened with Power-Driven Fasteners
Fastening with power-driven fasteners can leave gaps or allow gaps to develop over time. These gaps cause the subfloor to ride up and down on the pneumatic fastener's shank, which leads to squeaks.

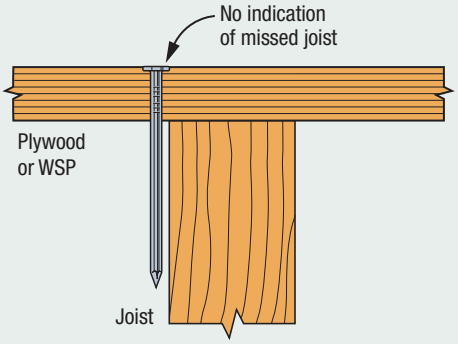
VS.



Subfloor Fastened with WSV Subfloor Screw
Subfloor fastened with screws is pulled down and kept tight against the joist, with no gaps to cause squeaking.

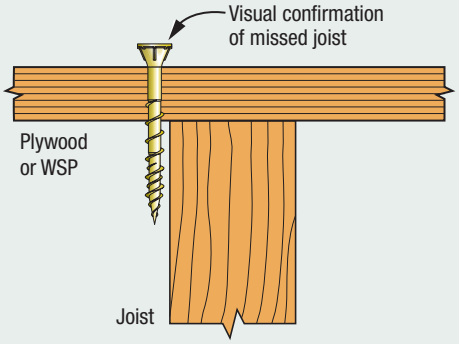
"See" the Difference on the Jobsite

The WSV Subfloor screw gives visual confirmation of a secure joist connection by countersinking, while "shot-in" power-driven fasteners look the same whether or not they hit the joist. Missed fasteners could result in floor flexing that can cause squeaking in other parts of the structure and reduced diaphragm load capacity.



Subfloor Fastened with Power-Driven Fasteners

VS.



Subfloor Fastened with WSV Subfloor Screw

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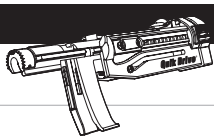


SIMPSON Strong-Tie®

Strong-Drive® WSNTL SUBFLOOR Screw

For Subfloor and Sheathing to Wood, Multi-Ply Wood Members
Code-Listed, Collated Screws Exceed Values of 10d Nails

Strong-Drive® WSNTL Subfloor screws are ideal for fastening subfloor, sheathing, sill plate and stair tread applications using the Simpson Strong-Tie® Quik Drive® auto-feed screw driving system. With lateral shear, withdrawal and pull-though values that exceed those of 10d common nails, the holding power of WSNTL screws reduces gaps between the joist and subfloor that cause floor squeaks. Installing WSNTL screws removes the need for gluing in diaphragm applications, eliminating the precise timing, labor and materials that the process requires. Using screws that can be backed out easily allows future access to floor cavities.

Common Applications:

Subfloor and sheathing to wood and EWP-Ply fastening for multi-ply trusses

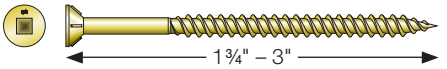
Features:

- Eliminates subfloor nail squeaking and costly call-backs
- Variety of lengths to cover subfloor, wall plates and stair treads
- #3 square drive (driver bit in each box; replacement bit model BIT3S)
- Minimum fastener penetration of 1¼" into framing member is required
- Also available in bulk for hand-drive installation; see p. 96 for details

Codes/Standards: ICC-ES ESR 1472; City of L.A. RR25661 (Note: 1¾" length not code listed)

For Technical Data and Loads, see Technical Supplement

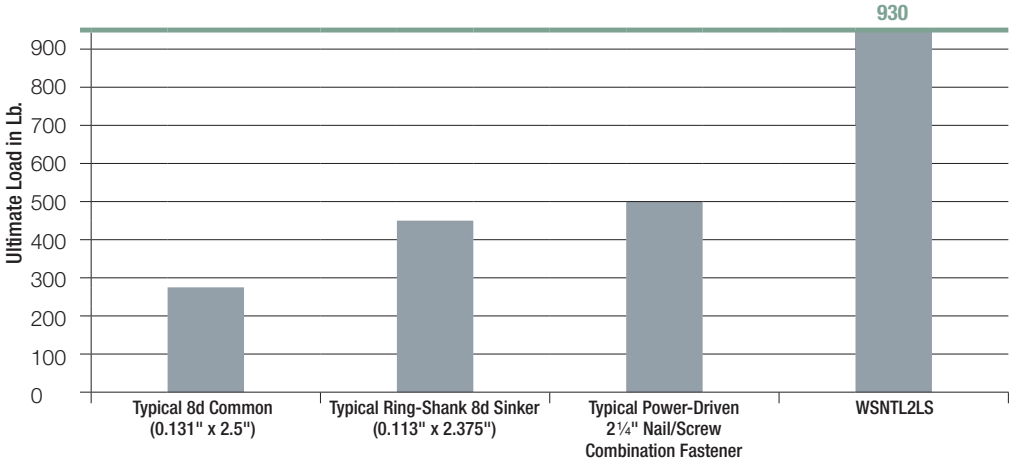
For information on corrosion, materials and coatings, see pp. 17–20



Yellow Zinc Coating

Length (in.)	Shank Size	Retail Pack		Contractor Pack		PRO 200S	PRO 250	PRO 300S
		Fasteners Per Pack	Model No.	Fasteners Per Pack	Model No.			
2	#8	1,000	HCKWSNTL2LS	2,000	WSNTL2LS	✓	✓	✓
2½	#8	750	HCKWSNTL212S	1,500	WSNTL212S		✓	✓
3	#8	—	—	1,000	WSNTL3S			✓

Holding Power of Typical Sheathing Fasteners as Compared to WSNTL2LS



1. Chart based on resultant penetration of the attachment of 19/32" thick sheathing with a Douglas Fir main member.
2. 8d common ultimate loads are based on National Design Specification (NDS) design and multiplied by a factor of safety of five.
3. 8d sinker ring, nail/screw combination and WSNTL fasteners withdrawal load based on withdrawal testing in accordance with ICC-ES AC 233, ICC-ES AC116 and ASTM D1761.

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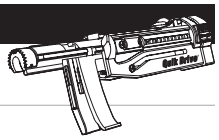
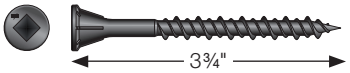


SIMPSON Strong-Tie®

WSHL Subfloor Screw

Common Applications:
Subfloor to wood

Features:
- Ribbed flat head with nibs for easy countersinking
- #2 square drive (driver bit in each box; replacement bit model BIT2S)
- High-low threads
- Sharp point
- Gray phosphate coating
- Curved collation
- 1:1 replacement for 8d common nails when used with floor sheathing 15⁄32–23⁄32" thick



Gray Phosphate Coating

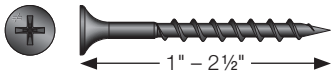
Length (in.)	Shank Size	Carton Quantity	Model No.	PRO 200SG2	PRO 250G2
1¾	#7	2,000	WSHL134S7	✓	✓

DWC Drywall Screw

Common Applications:
Drywall to wood

Features:
- Bugle head
- #2 Phillips (driver bit in each box; replacement bit model BIT2P)
- Coarse threads
- Sharp point
- Curved collation

Codes/Standards: ASTM C1002 Type W



Gray Phosphate Coating

Length (in.)	Shank Size	Contractor Pack		PRO200G2	PRO250DWG2	PRODW
		Fasteners Per Pack	Model No.			
1	#6	2,500	DWC1PS	✓		✓
1¼	#6	2,500	DWC114PS	✓		✓
1⅝	#6	2,500	DWC158PS	✓		✓
2	#6	2,000	DWC2PS	✓	✓	
2½	#8	1,500	DWC212PS		✓	

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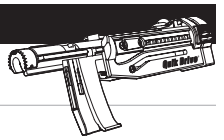
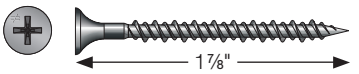


DWHL Drywall Screw

Common Applications:
Drywall to wood

Features:
- Bugle head
- #2 Phillips drive (driver bit in each box; replacement bit model BIT2P)
- High-low threads
- Sharp point
- Gray phosphate coating
- Curved collation

Codes/Standards: ASTM C1002 Type W



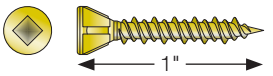
Gray Phosphate Coating

Length (in.)	Shank Size	Carton Quantity	Model No.	PRO 250DWG2	PRO 200G2	PRODW
1⅞	#6	2,000	DWHL178PS	✓	✓	✓

MTH Wood Underlayment Screw

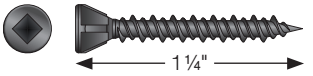
Common Applications:
Wood underlayment to wood

Features:
- Trim head with nibs for easy countersinking
- #2 square drive (driver bit in each box; replacement bit model BIT2S)
- High-low threads
- Sharp point
- Curved collation



Yellow Zinc Coating

Length (in.)	Shank Size	Coating	Contractor Pack		PRO200SG2
			Fasteners Per Pack	Model No.	
1	#7	Yellow zinc	2,500	MTHZ1S	✓



Gray Phosphate Coating

Length (in.)	Shank Size	Coating	Retail Pack		Contractor Pack		PRO200SG2
			Fasteners Per Pack	Model No.	Fasteners Per Pack	Model No.	
1¼	#7	Gray phosphate	1,000	HCKMTH114S	2,500	MTH114S	✓

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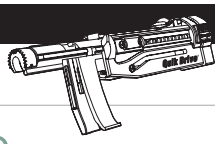


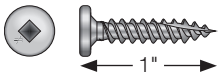
PC Standing-Seam-Roofing Panel Clip Screw

Common Applications:

Standing-seam-roofing panel clips to wood

Features:

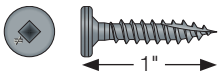
- Pancake head
- #2 square drive (driver bit in each box; replacement bit model BIT2S)
- Type-17 point
- Straight collation
- Type 410 stainless steel is coated for additional corrosion protection



Type 410 Stainless Steel*

Length (in.)	Shank Size	#2 Drive Type	Threads Per Inch	Carton Quantity	Model No.	PROPP150G2
1	#10	Standard	12	1,500	SSPC1BS1012	✓

* These products are subject to quantities on hand or may require special ordering and are subject to minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.



Clear Zinc Coating

Length (in.)	Shank Size	#2 Drive Type	Threads Per Inch	Carton Quantity	Model No.	PROPP150G2
1	#10	Standard	12	1,500	PC1BS1012	✓

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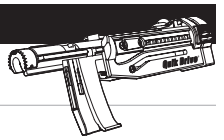
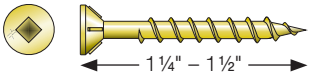
Collated Interior Screws



WSC Wood Screw

Common Applications:
Wood to wood

Features:
- Flat head with nibs for easy countersinking
- #2 square drive (driver bit in each box; replacement bit model BIT2S)
- Coarse threads
- Available with Type-17 and sharp points
- Curved collation



Yellow Zinc Coating

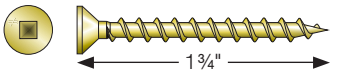
Length (in.)	Shank Size	Point Type	Carton Quantity	Model No.	PRO200SG2
1 ¼	#8	Type-17	2,500	WSC114S-17	✓
1 ½*	#8	Sharp	2,000	WSC112S	✓

* This size does not have nibs under the head.

WSCLT Wood Screw

Common Applications:
Wood to wood

Features:
- Flat head
- #2 square drive (driver bit in each box; replacement bit model BIT2S)
- Coarse threads
- Sharp point
- Yellow zinc coating
- Curved collation
- Fully threaded



Yellow Zinc Coating

Length (in.)	Shank Size	Carton Quantity	Model No.	PRO 200SG2	PRO 250G2
1 ¾	#8	2,000	WSCLT134S	✓	✓

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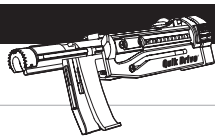


SIMPSON Strong-Tie®

Strong-Drive® TB WOOD-TO-STEEL Screw

Common Applications:

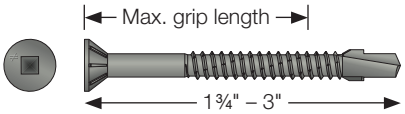
Wood to hot-rolled steel (Maximum recommended thicknesses: 5⁄16")

Features:

- Flat head with nibs for easy countersinking
- #3 square drive (driver bit in each box; replacement bit model BIT3S; use BIT3SU for Mechanically Galvanized — N2000®)
- #4 drill point with wings
- Straight collation
- This screw is also available in bulk for hand-drive installation; see p. 93 for details

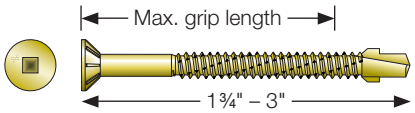
For Technical Data and Loads, see Technical Supplement

Warning: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, use this product in dry, interior and noncorrosive environments only.



Mechanically Galvanized – N2000®

Length in. (mm)	Max. Grip Length (in.)*	Shank Size	Threads Per Inch	Carton Quantity	Model No.	PRO HSD60	PRO HSD75
1¾ (45)	1.055	#12	14	1,000	TBG1245S	✓	
2⅜ (60)	1.645	#12	14	1,000	TBG1260S	✓	✓
1¾ (45)	1.055	#14	14	1,000	TBG1445S	✓	
2⅜ (60)	1.645	#14	14	750	TBG1460S	✓	✓
3 (75)	2.236	#14	14	750	TBG1475S		✓



Yellow Zinc Coating

Length in. (mm)	Max. Grip Length (in.)*	Shank Size	Threads Per Inch	Carton Quantity	Model No.	PRO HSD60	PRO HSD75
1½ (40)	0.826	#14	14	1,000	TB1440S	✓	
1¾ (45)	1.055	#14	14	1,000	TB1445S	✓	
2⅜ (60)	1.645	#14	14	750	TB1460S	✓	✓
3 (75)	2.236	#14	14	750	TB1475S		✓

Black Phosphate Coating

Length in. (mm)	Max. Grip Length (in.)*	Shank Size	Threads Per Inch	Carton Quantity	Model No.	PRO HSD60	PRO HSD75
1¾ (45)	1.055	#12	14	1,000	TBP1245S	✓	
2⅜ (60)	1.645	#12	14	1,000	TBP1260S	✓	✓
2⅜ (60)	1.645	#14	14	750	TBP1460S	✓	✓
3 (75)	2.236	#14	14	750	TBP1475S		✓

* Grip length includes side member, steel thickness, air gaps (if any) and allowance for three threads protruding through the steel.

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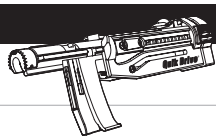


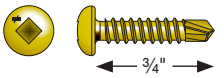
Strong-Drive®
PHSD FRAMING-TO-CFS Screw

Common Applications:
Cold-formed steel framing and sheet steel sheathing to cold-formed steel

Features:
- Pan head
- #2 square drive (driver bit in each box; replacement bit model BIT2S)
- #2 drill point
- Yellow zinc coating
- Straight collation

Codes/Standards: ASTM C1513 compliant, City of LA RR25670

For Technical Data and Loads, see Technical Supplement



Yellow Zinc Coating

Length (in.)	Shank Size	Threads Per Inch	Point Size	Carton Quantity	Model No.	PROPHG2
¾	#8	18	2	2,500	PHSD34S0818	✓

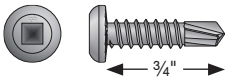
Strong-Drive®
FPHSD FRAMING-TO-CFS Screw

Common Applications:
Cold-formed steel framing and sheet steel sheathing to cold form steel

Features:
- Flat pan head
- #3 square drive (driver bit in each box; replacement bit model BIT3S)
- #3 drill point
- Clear zinc coating
- Straight collation
- This screw is also available in bulk for hand-drive installation; see p. 95 for details

Codes/Standards: ASTM C1513 compliant, ICC-ES ESR 3006

For Technical Data and Loads, see Technical Supplement



Clear Zinc Coating

Length (in.)	Shank Size	Threads Per Inch	Point Size	Carton Quantity	Model No.	PROPP150G2	PROPHG2
¾	#10	16	3	2,500	FPHSD34S1016	✓	✓
¾	#12	14	3	2,500	FPHSD34S1214	✓	✓

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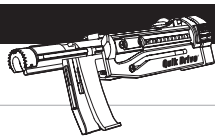


Strong-Drive®
PPSD SHEATHING-TO-CFS Screw

Common Applications:

Subfloor/sheathing to cold-formed steel, (#8 – maximum thickness: 54 mil / 16 ga., #10, #12 — maximum thickness: 97 mil / 12 ga.)

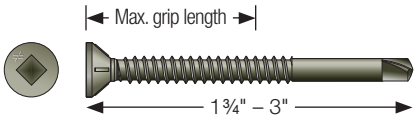
Features:

- Flat head
- #3 square drive (driver bit in each box; use replacement bit model BIT3SU for Quik Guard® and BIT3S for yellow zinc coating)
- Fine threads
- Pilot point
- Quik Guard and yellow zinc coating
- Curved collation
- PPSD screws may be used as prescribed by the codes for shear walls and diaphragms as described in AISI S240, AISI S400 and AISI S213
- Also available in bulk for hand-drive installation; see p. 94 for details

Codes/Standards: ASTM C1513 compliant, ICC-ES ESR 4208

For Technical Data and Loads, see Technical Supplement

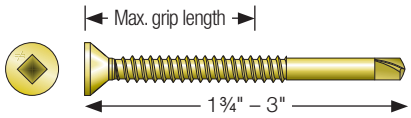
Warning: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, use this product in dry, interior and noncorrosive environments only.



Quik Guard Coating

Length (in.)	Shank Size	Min. Head Diameter (in.)	Point Size	Thread Length (in.)	Max. Grip Length (in.)	Threads per Inch	Carton Quantity	Model No.	PRO 200SG2	PRO 250G2	PRO 300SG2	HSD60	HSD75
1 15/16	#8	0.315	2	1.220	1.03	18	2,000	PPSDQ11516S0818	✓	✓	✓		
1¾	#10	0.325	3	0.989	0.773	16	2,000	PPSDQ134S1016	✓	✓	✓		
1¾	#12	0.452	3	0.984	0.773	14	1,000	PPSDQ134S1214*				✓	✓

*Has underhead nibs.



Yellow Zinc Coating

Length (in.)	Shank Size	Min. Head Diameter (in.)	Point Size	Thread Length (in.)	Max. Grip Length (in.)	Threads per Inch	Carton Quantity	Model No.	PRO 200SG2	PRO 250G2	PRO 300SG2	HSD60	HSD75
1 15/16	#8	0.315	2	1.220	1.03	18	2,000	PPSD11516S0818	✓	✓	✓		
1¾	#10	0.325	3	0.989	0.773	16	2,000	PPSD134S1016	✓	✓	✓		
1¾	#12	0.452	3	0.984	0.773	14	1,000	PPSD134S1214*				✓	✓
3	#10	0.325	3	1.464	1.246	16	1,000	PPSD3S1016			✓		

*Has underhead nibs.

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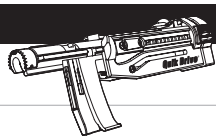


Strong-Drive® XL LARGE-HEAD METAL Screw

Steel decking or other cold-formed steel framing; connectors to structural steel

Strong-Drive XL Large-Head Metal screws are load-tested and code-listed, allowing you to get the maximum load values for installation. These screws are the perfect choice when high shear or uplift resistance is required and can be excellent 1-for-1 replacements for pins.

Features:

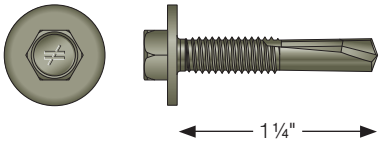
- 5⁄16" hex drive (driver part #BITHEXLB516)
- #5 drill point
- Quik Guard® coating
- 5⁄8" diameter hex washer head
- Also available in bulk for hand-drive installation; see p. 91 for details

Codes/Standards: IAPMO UES ER-326, FM Approval 3050714, State of Florida FL16937, City of Los Angeles RR26009, SDI DDM03 Appendix IX, SDI DDM04

For Technical Data and Loads, see Technical Supplement

U.S. Patent 9,518,599

Warning: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, use this product in dry, interior and noncorrosive environments only.



Quik Guard Coating

Size	Length (in.)	Hex Head Size (in.)	Washer Dia. (in.)	Threads Per Inch	Point Size	Suitable Material Thickness (in.)	Carton Qty.	Model No.	BSD200G2
#12	1 1⁄4	5⁄16	0.625	24	#5	0.125–0.500	1,000	XLQ114T1224	✓

Strong-Drive® XM MEDIUM-HEAD METAL Screw

Steel decking to structural members involving wide or narrow valley; nestable or interlocking steel decking

Strong-Drive metal screws are load-tested and code-listed, allowing you to get the maximum load values for installation. Comparison testing shows Strong-Drive XM Medium-Head Metal screws are stronger than many alternative fastener types in 33 ksi and 50 ksi steel decking.

Features:

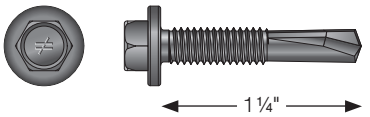
- 5⁄16" hex drive
- 1⁄2"-dia. hex washer head is ideal for narrow-channel steel decking
- Available only in 1 1⁄4" length with #5 drill point
- Available in Quik Guard coating
- Also available in bulk for hand-drive installation; see p. 91 for details

Codes/Standards: IAPMO UES ER-326, FM Approval 3050714, State of Florida FL16937, City of Los Angeles RR26009, SDI DDM04

For Technical Data and Loads, see Technical Supplement

U.S. Patent 9,518,599

Warning: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, use this product in dry, interior and noncorrosive environments only.



Quik Guard Coating

Size	Length (in.)	Hex Head Size (in.)	Washer Dia. (in.)	Threads Per Inch	Point Size	Suitable Material Thickness (in.)	Carton Qty.	Model No.	PRO SDX150G2
#12	1 1⁄4	5⁄16	0.483	24	#5	0.125–0.500	1,500	XMQ114S1224	✓

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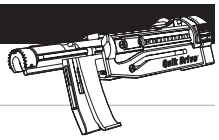


Strong-Drive®
Self-Drilling X Metal Screw

Common Applications:
Steel stitching ("side-lap" stitching); Cold-formed steel framing

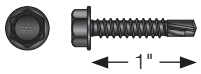
Features:
- 5⁄16" hex head
- Drill point
- Hex washer head
- Straight collation
- This screw is also available in bulk for hand-drive installation; see p. 92 for details

Codes/Standards: ICC-ES ESR-3006, City of LA RR25670 and RR25917, ASTM C1513 compliant, FM Approval #3045651, SDI DDM03, Appendix VII, IAPMO-UES ER-326, SDI DDM04, State of Florida FL16937

For Technical Data and Loads, see Technical Supplement

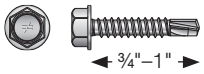
Warning: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, use this product in dry, interior and noncorrosive environments only.

Quik Guard® Coating



Length (in.)	Shank Size	Threads Per Inch	Point Size	Carton Quantity	Model No.	PROHX516G2	PROSDX150G2	PROPP150G2
1	#10	16	3	1,500	XQ1S1016	✓	✓	✓
1	#12	14	3	1,500	XQ1S1214	✓	✓	✓

Clear Zinc Coating



Length (in.)	Shank Size	Threads Per Inch	Point Size	Carton Quantity	Model No.	PROHX516G2	PROSDX150G2	PROPP150G2
¾	#10	16	1	1,500	XU34S1016		✓	✓
1	#10	16	3	1,500	X1S1016	✓	✓	✓
1	#12	14	3	1,500	X1S1214	✓	✓	✓

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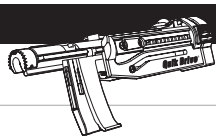


Steel-Deck Diaphragm Calculator

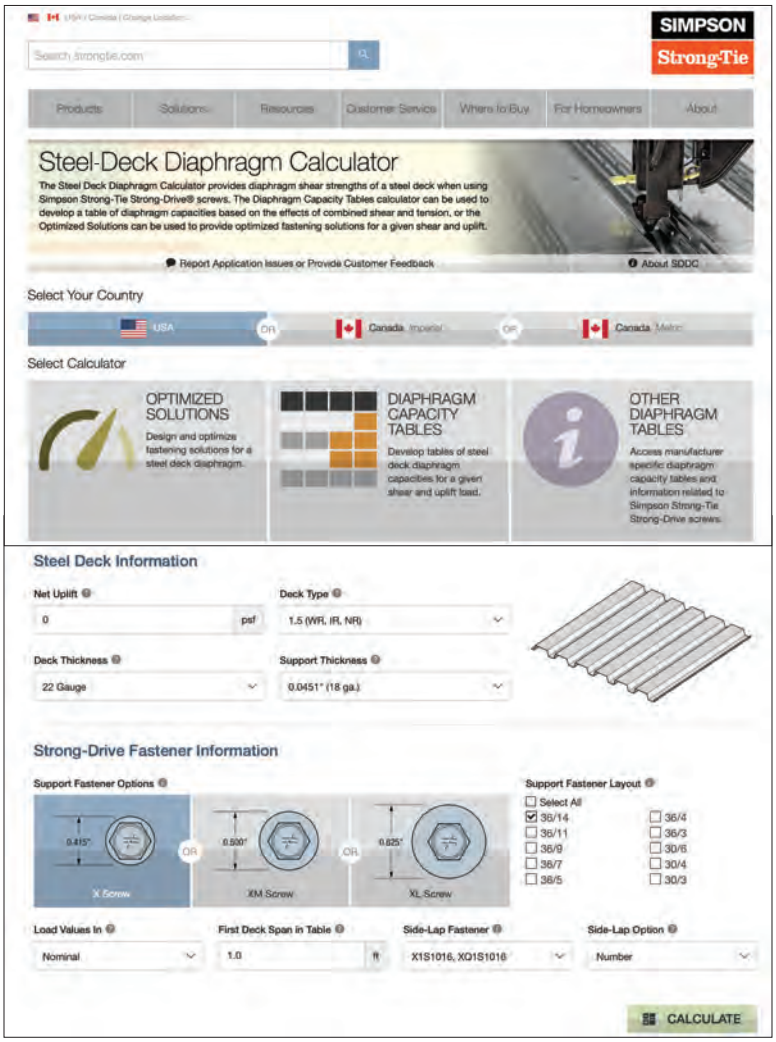
The Steel-Deck Diaphragm Calculator web app offers optimized steel deck design solutions based on fastener and labor costs for a given shear and uplift. It can provide calculations for any solution generated. Generate diaphragm tables for various roof and floor decks using Simpson Strong-Tie® fasteners. The app can also generate a submittal package that includes fastener information, code reports, Factory Mutual reports, Appendix VII and IX of DDM03 (also reference DDM04), coating information and tools for installation. The app is accessible from any web browser and does not require downloading or installing special software. Users can:

- Design for multiple zones and develop solutions in either ASD or LRFD
- Modify deck properties from the standard properties listed in SDI DDM03 and DDM04
- Generate multiple cost- and labor-optimized solutions with calculations included
- Generate tables in Nominal, ASD Wind, LRFD Wind, ASD Seismic or LRFD Seismic
- Design for loads using the new Strong-Drive® XL Large-Head Metal screw (included in the optimization calculator)
- Design for additional structural patterns not covered in SDI literature
- Access proprietary deck tables with the new Strong-Drive XM Medium-Head Metal screw

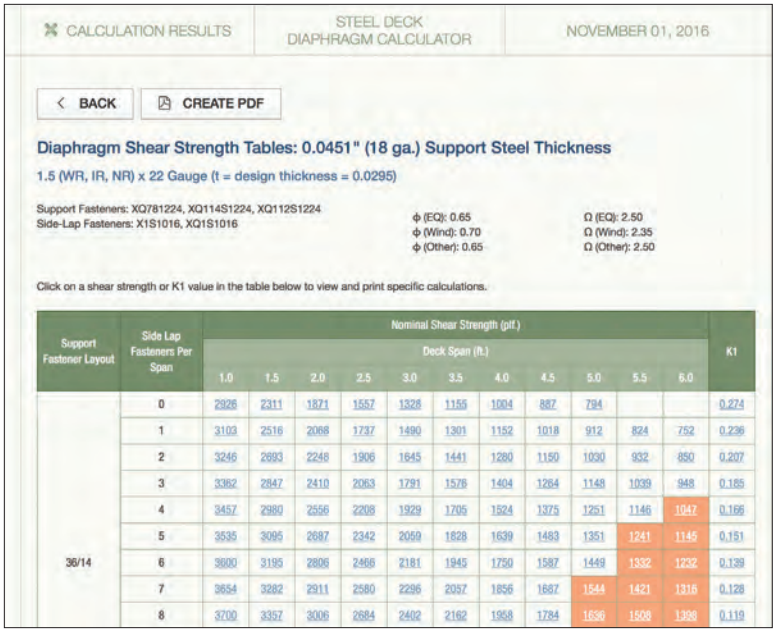
Steel-Deck Diaphragm Load Tables for Interlocking Decks

Load tables are available on our website application for using Strong-Drive XM Medium-Head Metal screws on frequently used interlocking decks with proprietary side-lap connections.

For more information regarding Strong-Drive XM Medium-Head Metal screw shear tables, refer to **strongtie.com/diaphragmcalc**.



Example of Steel-Deck Diaphragm Calculator Web Application



Support Fastener Layout	Side Lap Fasteners Per Span	Nominal Shear Strength (plf)											K1
		Deck Span (ft.)											
		1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	
36/14	0	2926	2311	1871	1557	1328	1155	1004	887	794			0.274
	1	3103	2516	2068	1737	1490	1301	1152	1018	912	824	752	0.236
	2	3246	2693	2248	1906	1645	1441	1280	1150	1030	932	850	0.207
	3	3362	2847	2410	2063	1791	1576	1404	1264	1148	1039	948	0.185
	4	3457	2980	2556	2208	1929	1705	1524	1375	1251	1146	1047	0.166
	5	3535	3095	2697	2342	2059	1828	1639	1483	1351	1241	1145	0.151
	6	3600	3195	2806	2466	2181	1945	1750	1587	1449	1332	1232	0.139
	7	3654	3282	2911	2580	2296	2057	1856	1687	1544	1421	1316	0.128
	8	3700	3357	3006	2684	2402	2162	1958	1784	1636	1508	1398	0.119

Example of Steel-Deck Diaphragm Load Table for Interlocking Decks

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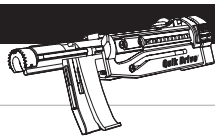


CBSDQ Sheathing-to-CFS Screw

Common Applications:

Sheathing to cold-formed steel (Recommended thicknesses: 16 and 18 ga.)

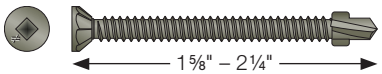
Features:

- Ribbed flat head with nibs for easy countersinking
- #2 undersized square drive (driver bit in each box; replacement bit model BIT2SU)
- #2 drill point with wings
- Quik Guard® coating
- Curved collation
- CBSDQ screws may be used as prescribed by the codes for shear walls and diaphragms as described in AISI S240, S400 and S213.

Codes/Standards: ICC-ES ESR-4208, ASTM C1513 compliant, #8 screws meet minimum head-diameter requirement per AISI S213-07, Lateral Design Standard.

For Technical Data and Loads, see Technical Supplement

Warning: Industry studies show that hardened fasteners can experience performance problems in wet or corrosive environments. Accordingly, use this product in dry, interior and noncorrosive environments only.



Quik Guard Coating

Length (in.)	Shank Size	Threads Per Inch	Point Size	Carton Quantity	Min. Head Dia. (in.)	Model No.	PRO 200SG2	PRO 250G2	PRO 300SG2
1⅝	#8	18	2	1,500	0.322	CBSDQ158S	✓	✓	
2¼	#10	16	2	1,000	0.322	CBSDQ214S		✓	✓

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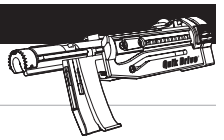


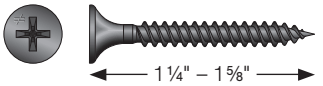
DWF Drywall-to-CFS Screw

Common Applications:
Drywall to cold-formed steel (Recommended thicknesses: 33, 27 and 18 mil / 20, 22 and 25 ga.)

Features:
- Bugle head
- #2 Phillips (driver bit in each box; replacement bit model BIT2P)
- Fine threads
- Sharp point
- Gray phosphate coating
- Curved collation

Codes/Standards: ASTM C1002-04 Type S compliant

For Technical Data and Loads, see Technical Supplement



Gray Phosphate Coating

Length (in.)	Shank Size	Carton Quantity	Model No.	PRO200G2	PRODW
1¼	#6	2,500	DWF114PS	✓	✓
1⅝	#6	2,500	DWF158PS	✓	✓

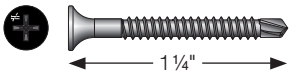
DWFSD Drywall-to-CFS Screw

Common Applications:
Drywall to cold-formed steel (Recommended max. steel thicknesses: 43 mil / 18 ga.)

Features:
- Bugle head
- #2 Phillips (driver bit in each box; replacement bit model BIT2P)
- Fine threads
- #2 drill point
- Curved collation

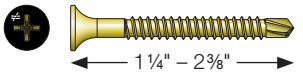
Codes/Standards: ASTM C954 compliant

For Technical Data and Loads, see Technical Supplement



Quik Guard®

Length (in.)	Shank Size	Threads Per Inch	Box Quantity	Model No.	PRO 200SG2	PRO 200G2	PRODW
1¼	#6	20	2,500	DWFSDQ114PS	✓	✓	✓



Yellow Zinc Coating

Length (in.)	Shank Size	Threads Per Inch	Box Quantity	Model No.	PRO 200SG2	PRO 250DWG2	PRO 200G2	PRODW
1¼	#6	20	2,500	DWFSD114PS	✓		✓	✓
1⅝	#6	20	2,500	DWFSD158PS	✓		✓	✓
1⅞	#6	20	2,000	DWFSD178PS	✓	✓	✓	✓
2⅜	#8	20	1,500	DWFSD238PS		✓		

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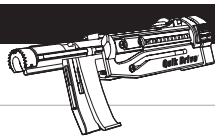


FHSD Wood-to-CFS Screw

Common Applications:

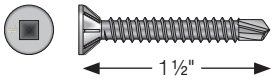
Wood or wood structural panel sheathing to cold-formed steel to cold-formed steel (Recommended max. steel thicknesses: 3⁄16")

Features:

- Flat head
- Curved collation
- Type 410 stainless-steel screw has nibs under the head for easy countersinking
- 2½" length has wings on the shaft to prevent jacking of the wood panel during installation
- Type 410 stainless steel is coated for additional corrosion protection
- #3 square drive for #10 (replacement bit BIT3S; see p. 182 for more information)
- #2 square drive for #8 (replacement bit BIT2S; see p. 182 for more information)

Codes/Standards: ASTM C1513 compliant; meets minimum head diameter requirements per AISI S213-07, lateral design standard.

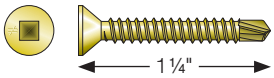
For Technical Data and Loads, see Technical Supplement



Type 410 Stainless Steel*

Length (in.)	Shank Size	Threads Per Inch	Point Size	Carton Quantity	Min. Head Dia. (in.)	Model No.	PRO PP150G2
1½	#10	16	3	1,000	0.382	SSFHSD112S1016	✓

* These products are subject to quantities on hand or may require special ordering and are subject to minimum order quantities and longer lead times. Call Simpson Strong-Tie for details (800) 999-5099.



Yellow Zinc Coating

Length (in.)	Shank Size	Threads Per Inch	Point Size	Carton Quantity	Min. Head Dia. (in.)	Model No.	PRO 200SG2	PRO 200G2
1¼	#8	18	2	2,500	0.310	FHSD114S0818	✓	✓

WSFLRV Wood-to-CFS/Aluminum Screw

Common Applications:

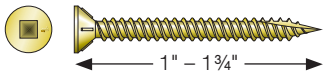
Wood or wood structural panel sheathing to cold-formed steel (Recommended max steel thicknesses: 20 gauge), Wood to aluminum (Recommended max. aluminum thicknesses: 3⁄16")

Features:

- Flat head with nibs for easy countersinking
- #3 square drive (driver bit in each box; replacement bit model BIT3S)
- Fine threads
- Type-17 point
- Yellow zinc coating
- Curved collation

Codes/Standards: ASTM C1513 compliant; meets AISI S213 minimum for sheathing attachment if t <= 54 mil.

For Technical Data and Loads, see Technical Supplement



Yellow Zinc Coating

Length (in.)	Shank Size	Carton Quantity	Min. Head Dia. (in.)	Model No.	PRO 200SG2	PRO 200G2	PRO 250G2
1	#8	2,500	0.327	WSF1LRVS	✓	✓	
1¾	#8	2,000	0.327	WSF134LRVS	✓	✓	✓

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Inner strength.
Outer beauty.
EB-TY Premium

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