

NEW!

STRONG-DRIVE® SDS SCREWS



Introducing the Expanded Line of Simpson Strong-Tie® Strong-Drive® SDS Screws

Strong-Drive SDS wood screws combine a unique blend of features that add up to performance, ease of installation and versatility. Offering tested, load-rated performance and time-saving installation, the SDS screw is a 1/4" diameter wood screw ideal for various connector installations as well as a range of wood-to-wood applications. It installs with no predrilling in most applications and features a head stamp for easy inspection after installation.

Now, Simpson Strong-Tie has expanded the line of SDS screws with new 5" and 8" lengths as well as stainless-steel models suitable for use in all of our SDS-compatible, stainless-steel connectors. With the new and improved offering of Strong-Drive SDS wood screws, you have a fastening option for nearly any application.



Strong-Drive® SDS Screws: Double-Barrier Coating

The Simpson Strong-Tie Strong-Drive SDS wood screw with a double-barrier coating is suitable for use with all of our SDS-compatible connectors that feature ZMAX® or hot-dip galvanized coatings. The screws feature a patented 4CUT™ square tip and serrated threads to reduce installation torque for easier screw driving.

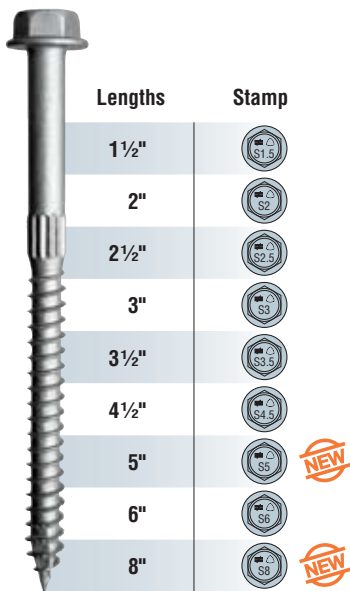
With the addition of 5" and 8" screws to the SDS screw line, Simpson Strong-Tie offers additional options for wood-to-wood fastening applications where longer fasteners are needed. These new lengths feature the same double-barrier coating as the other sizes of the standard SDS screws, providing corrosion resistance equivalent to ASTM A153 hot-dip galvanized fasteners.

MATERIAL: Heat-treated carbon steel **FINISH:** Double-barrier coating
CODES: ICC-ES ESR-2236

Strong-Drive® SDS Screws: Stainless Steel

The new stainless-steel Strong-Drive SDS wood screw is an easy-to-install fastener solution for all of our SDS-compatible, stainless-steel connectors as well as wood-to-wood connections. These load-rated fasteners have a type-17 tip that allow for minimal or no splitting during installation without predrilling. The screws are made from type-316 stainless steel, making them the best choice for high-exposure environments where maximum corrosion-resistance is required.

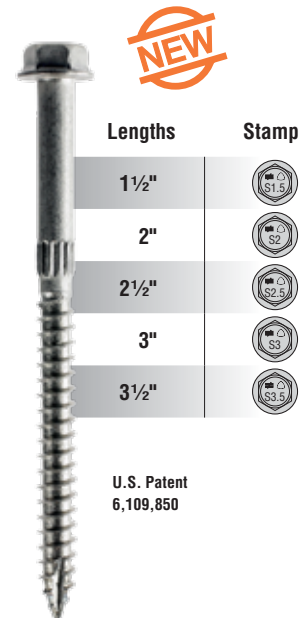
MATERIAL: Type-316 stainless steel
CODES: ICC-ES ESR-2236



U.S. Patent
6,109,850
5,897,280
7,101,133

Use Strong-Drive® SDS Screws for Superior Performance

- No predrilling, installs with minimal or no splitting during installation
- 3/8" Hex washer head is stamped with the No-Equal symbol \neq and fastener length for easy identification after installation
- Available in a range of sizes, coatings and materials for a variety of applications
- Code-listed and load-rated
- Also ideal for wood-to-wood applications, including ledgers for decks and truss-ply fastening (For more information, see flier F-SDSLDGR or the *Wood Construction Connectors* catalog.)



U.S. Patent
6,109,850

STRONG-DRIVE® SDS SCREWS

Product Information

| Size (in.) | Finish/ Material | 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 | Packs Per Master Carton | Model No. |
| ¼ x 1½ | Double-Barrier Coating | 1 | 25 | 12 | SDS25112-R25 | 300 | 3 | SDS25112MB | 1500 | 1 | SDS25112 |
| ¼ x 2 | | 1¼ | 25 | 12 | SDS25200-R25 | 250 | 3 | SDS25200MB | 1300 | 1 | SDS25200 |
| ¼ x 2½ | | 1½ | 25 | 12 | SDS25212-R25 | 200 | 3 | SDS25212MB | 1100 | 1 | SDS25212 |
| ¼ x 3 | | 2 | 25 | 12 | SDS25300-R25 | 150 | 3 | SDS25300MB | 950 | 1 | SDS25300 |
| ¼ x 3½ | | 2¼ | 10 | 12 | SDS25312-R10 | 125 | 3 | SDS25312MB | 900 | 1 | SDS25312 |
| | | | 25 | 12 | SDS25312-R25L ¹ | — | — | — | — | — | — |
| ¼ x 4½ | | 2¾ | 10 | 6 | SDS25412-R10 | 100 | 3 | SDS25412MB | 800 | 1 | SDS25412 |
| ¼ x 5 | | 2¾ | 25 | 6 | SDS25500-R25L ¹ | — | — | — | 500 | 1 | SDS25500 |
| ¼ x 6 | | 3¼ | 10 | 6 | SDS25600-R10 | 100 | 3 | SDS25600MB | 600 | 1 | SDS25600 |
| ¼ x 8 | | 3¼ | — | — | — | — | — | — | 400 | 1 | SDS25800 |
| ¼ x 1½ | Type-316 Stainless Steel | 1 | 25 | 10 | SDS25112SS-R25 | — | — | — | 1500 | 1 | SDS25112SS |
| ¼ x 2 | | 1¼ | 25 | 10 | SDS25200SS-R25 | — | — | — | 1300 | 1 | SDS25200SS |
| ¼ x 2½ | | 1½ | 25 | 10 | SDS25212SS-R25 | — | — | — | 1100 | 1 | SDS25212SS |
| ¼ x 3 | | 2 | 25 | 10 | SDS25300SS-R25 | — | — | — | 950 | 1 | SDS25300SS |
| ¼ x 3½ | | 2¼ | 25 | 10 | SDS25312SS-R25 | — | — | — | 900 | 1 | SDS25312SS |
| | | | 25 | 10 | SDS25312SS-R25L ¹ | — | — | — | — | — | — |

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

Technical Information

| Size (in.) | Finish/ Material | Model No. | Thread Length (in.) | DF/SP Allowable Loads ⁴ | | | | | | SPF/HF Allowable Loads ⁴ | | | | | |
|------------|------------------------|--------------------------|---------------------|------------------------------------|---------|-------|------------------|------------------|-------------------------------|-------------------------------------|------------------------------|-------|---------------|------------------|-------------------------------|
| | | | | Shear (100) ¹ | | | | | Withdrawal ⁵ (100) | Shear (100) | | | | | Withdrawal ⁵ (100) |
| | | | | Wood Side Plate ³ | | | Steel Side Plate | | | Wood or Steel Side Plate | Wood Side Plate ³ | | | Steel Side Plate | |
| | | | | 1½" | 1¾" SCL | 16 ga | 14 ga & 12 ga | 10 ga or Greater | 1½" | | 1¾" SCL | 16 ga | 14 ga & 12 ga | 10 ga or Greater | |
| ¼ x 1½ | Double-Barrier Coating | SDS25112 | 1 | — | — | 250 | 250 | 250 | 170 | | — | — | 180 | 180 | 180 |
| ¼ x 2 | | SDS25200 | 1¼ | — | — | 250 | 290 | 290 | 215 | — | — | 180 | 210 | 210 | 150 |
| ¼ x 2½ | | SDS25212 | 1½ | 190 | — | 250 | 390 | 420 | 255 | 135 | — | 180 | 280 | 300 | 180 |
| ¼ x 3 | | SDS25300 | 2 | 280 | — | 250 | 420 | 420 | 345 | 200 | — | 180 | 300 | 300 | 240 |
| ¼ x 3½ | | SDS25312 | 2¼ | 340 | 340 | 250 | 420 | 420 | 385 | 245 | 245 | 180 | 300 | 300 | 270 |
| ¼ x 4½ | | SDS25412 | 2¾ | 350 | 340 | 250 | 420 | 420 | 475 | 250 | 245 | 180 | 300 | 300 | 330 |
| ¼ x 5 | | SDS25500 | 2¾ | 350 | 340 | 250 | 420 | 420 | 475 | 250 | 245 | 180 | 300 | 300 | 330 |
| ¼ x 6 | | SDS25600 | 3¼ | 350 | 340 | 250 | 420 | 420 | 560 | 250 | 245 | 180 | 300 | 300 | 395 |
| ¼ x 8 | | SDS25800 | 3¼ | 350 | 340 | 250 | 420 | 420 | 560 | 250 | 245 | 180 | 300 | 300 | 395 |
| ¼ x 1½ | | Type-316 Stainless Steel | SDS25112SS | 1 | — | — | 250 | 250 | 250 | 170 | — | — | 180 | 180 | 180 |
| ¼ x 2 | SDS25200SS | | 1¼ | — | — | 250 | 290 | 290 | 215 | — | — | 180 | 210 | 210 | 150 |
| ¼ x 2½ | SDS25212SS | | 1½ | 190 | — | 250 | 390 | 420 | 255 | 135 | — | 180 | 280 | 300 | 180 |
| ¼ x 3 | SDS25300SS | | 2 | 280 | — | 250 | 420 | 420 | 345 | 200 | — | 180 | 300 | 300 | 240 |
| ¼ x 3½ | SDS25312SS | | 2¼ | 340 | 340 | 250 | 420 | 420 | 385 | 245 | 245 | 180 | 300 | 300 | 270 |

- Allowable loads for SDS screws are based on ICC-ES Code Report ESR-2236. Screws may be provided with the 4CUT™ or Type-17 tip.
- SDS screws install best with a low speed ½" drill with a ⅜" hex head driver.
- All applications are based on full penetration into the main member.
- Allowable loads are shown at the wood load duration factor of C_D = 1.00.
Loads may be increased for load duration up to a C_D = 1.60.
- Withdrawal loads shown are in pounds (lbs.) and are based on the entire threaded section installed into the main member.
If thread penetration into the main member is less than the thread length as shown in the table, reduce allowable load by 172 lbs. x inches of thread not in main member. Use 121 lbs./inch for SPF.
- LSL wood-to-wood applications that require 4 ½", 5", 6" and 8" SDS screws are limited to interior-dry use only.

This flier is effective until June 30, 2012, and reflects information available as of June 1, 2010.
This information is updated periodically and should not be relied upon after June 30, 2012; contact Simpson Strong-Tie for current information and limited warranty or see www.strongtie.com.