

**NEW!**

# STRONG-DRIVE<sup>®</sup> SDS SCREWS



## Introducing the Expanded Line of Simpson Strong-Tie<sup>®</sup> Strong-Drive<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> or hot-dip galvanized coatings. The screws feature a patented 4CUT™ square tip and serrated threads to reduce installation torque for easier screw driving.

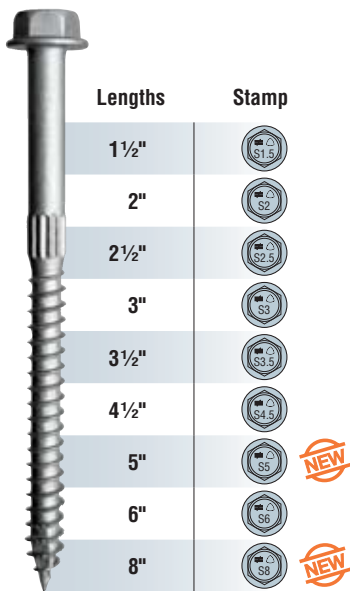
With the addition of 5" and 8" screws to the SDS screw line, Simpson Strong-Tie offers additional options for wood-to-wood fastening applications where longer fasteners are needed. These new lengths feature the same double-barrier coating as the other sizes of the standard SDS screws, providing corrosion 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<sup>®</sup> 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.

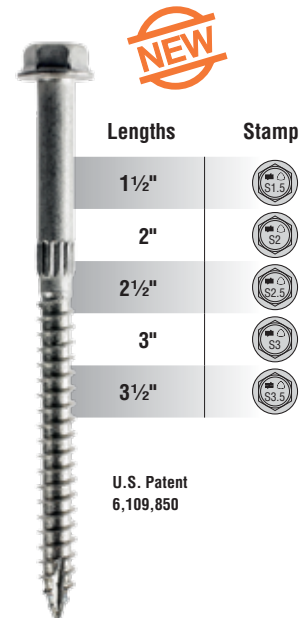
**MATERIAL:** Type-316 stainless steel  
**CODES:** ICC-ES ESR-2236



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

### Use Strong-Drive<sup>®</sup> 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 <sup>1</sup>	—	—	—	—	—	—
¼ x 4½		2¾	10	6	SDS25412-R10	100	3	SDS25412MB	800	1	SDS25412
¼ x 5		2¾	25	6	SDS25500-R25L <sup>1</sup>	—	—	—	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 <sup>1</sup>	—	—	—	—	—	—

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 <sup>4</sup>						SPF/HF Allowable Loads <sup>4</sup>					
				Shear (100) <sup>1</sup>					Withdrawal <sup>5</sup> (100)	Shear (100)					Withdrawal <sup>5</sup> (100)
				Wood Side Plate <sup>3</sup>			Steel Side Plate			Wood or Steel Side Plate	Wood Side Plate <sup>3</sup>			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<sub>D</sub> = 1.00.  
Loads may be increased for load duration up to a C<sub>D</sub> = 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](http://www.strongtie.com).