

Exterior Screws

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:

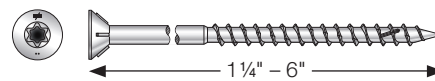
- Unique "box" thread design with raised-ridge technology greatly reduces driving torque, which allows you to drive more screws on a single battery charge
- Specially designed sharp point penetrates hard wood products with ease
- Use with wood, engineered wood and polymer materials
- 6-lobe drive offers a secure bit fit resulting in 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

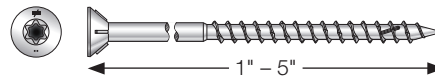


Size	Length (in.)	Head Diameter (in.)	Bit Size	Approx. Count Per lb.	1 lb. Model No.	5 lb. Model No.	Deck Pack		Bulk Bucket	
							Count	Model No.	Count	Model No.
#8	1 1/4	0.34	T20	176	T08125WP1	T08125WP5	—	—	5,000	T08125WPB
#8	1 5/8	0.34	T20	150	T08162WP1	—	350	T08162WPP	4,000	T08162WPB
#8	2	0.34	T20	128	T08200WP1	T08200WP5	350	T08200WPP	3,000	T08200WPB
#8	2 1/2	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	2 1/2	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	3 1/2	0.34	T25	56	T10350WP1	—	250	T10350WPP	1,000	T10350WPB
#10	4 1/2	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	1 1/4	0.34	T20	176	S08125WP1	S08125WP5	—	—	5,000	S08125WPB
#8	1 5/8	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	2 1/2	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	1 1/2	0.34	T25	134	S10150WP1	S10150WP5	—	—	3,500	S10150WPB
#10	2	0.34	T25	96	S10200WP1	S10200WP5	—	—	2,500	S10200WPB
#10	2 1/2	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	3 1/2	0.34	T25	56	S10350WP1	S10350WP5	—	—	1,000	S10350WPB

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

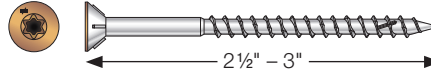
Exterior Screws

Deck-Drive™ DWP WOOD SS Screw (cont.)

Flat Head, Painted

- Painted heads blend with hardwood decking material

Type 305 Stainless Steel



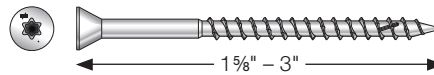
Size	Length (in.)	Head Diameter (in.)	Bit Size	350-Count Model No.	1,750-Count Model No.	Head Color
#10	2½	0.34	T25	S10250WJI	S10250WCI	Tan 03
#10	3	0.34	T25	S10300WJI	S10300WCI	Tan 03
#10	3	0.34	T25	S10300WPPBR05	S10300WPBR05	Brown 05
#10	3	0.34	T25	S10300WPPTN01	S10300WPBTN01	Tan 01
#10	3	0.34	T25	S10300WPPGR	S10300WPBGR	Gray



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

Trim Head, Unpainted

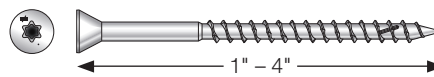
Type 316 Stainless Steel



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	1½	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



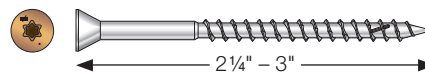
Size	Length (in.)	Head Diameter (in.)	Bit Size	Approx. Count Per lb.	1 lb. Model No.	5 lb. Model No.	Clam Shell		350-Count Model No.	Bulk Bucket	
							Count	Model No.		Count	Model No.
#7	1	0.23	T15	303	S07100WP1	S07100WP5	—	—	—	5,000	S07100WPB
#7	1¼	0.23	T15	264	S07125WP1	S07125WP5	—	—	S07125WPP	5,000	S07125WPB
#7	1½	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



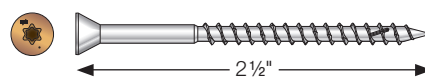
Size	Length (in.)	Head Diameter* (in.)	Bit Size	350-Count Model No.	1,750-Count Model No.
#7	2¼	0.23	T15	T07225WJI	T07225WCI
#7	3	0.23	T15	T07300WJI	T07300WCI

* 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

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

Fastening for Decks

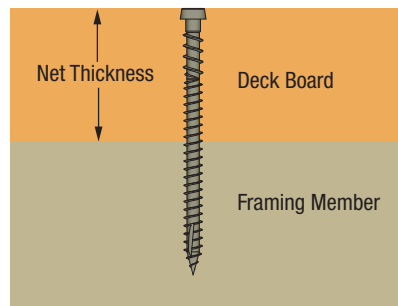
Deck-Drive™ DCU COMPOSITE Screw

Uplift Performance

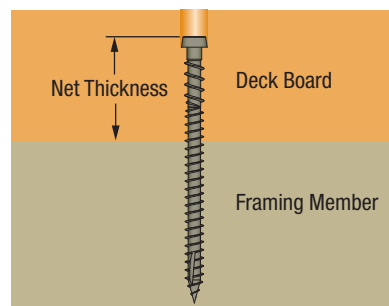
For more information, see pp. 76–77, C-F-2019 Fastening Systems Catalog

The table below shows allowable uplift loads for Simpson Strong-Tie® Deck-Drive DCU Composite screws (#10 dia. x 2 3/4" length, model no. DCU234) when they are used to attach non-wood deck boards to framing in face screw installations.

In an uplift scenario, there are two relevant modes of failure for screw connections in deck boards: screw pull-through of the deck board and screw withdrawal from the framing member. Pull-through testing was performed using 1" nominal thickness PVC and 1" and 2" nominal thickness Composite and High-Density Polyethylene (HDPE) decking products. The tests included conditions where the DCU composite screws were installed both flush to the surface and countersunk for the use of the Deck-Drive DCU screw plug solution, as shown in the figures below. Withdrawal testing was performed with the DCU screw embedded 1 3/8" in Southern Pine lumber. The resulting allowable loads using a factor of safety of 5 are provided in the table below.



**Flush Installation of
DCU Composite Screw**



**Countersunk Installation
of DCU Composite Screw**

Allowable Uplift Loads for DCU Composite Screws Used to Fasten PVC, Composite, and HDPE Deck Boards to Southern Pine Framing^{1,2}

Configuration	Deck Board (Nominal Thickness, Material)	Net Thickness (in.)	Allowable Uplift per Screw (lbf)
Flush Installation	1" PVC	1.000	101
	1" Composite	1.000	148
	1" HDPE	1.000	93
	2" Composite	1.375	260
	2" HDPE	1.375	191
Countersunk Installation	1" PVC	0.725	77
	1" Composite	0.725	128
	1" HDPE	0.725	77
	2" Composite	1.100	235
	2" HDPE	1.100	150

1. Allowable uplift is limited by fastener pull-through value, which is the lesser of fastener pull-through and withdrawal. No other properties of the deck materials or deck construction are considered.

2. Withdrawal property is based on duration of load of $C_D = 1.6$ and wet service factor of $C_M = 0.7$.