

**Quik Drive®**  
**WOOD-TO-STEEL Solutions**



**Stand up for  
wood-to-steel  
fastening**



Simpson Strong-Tie is a proud member

(800) 999-5099  
strongtie.com

# Stand up for wood-to-steel fastening

## Introducing the Simpson Strong-Tie® Quik Drive PROHSD Wood-to-Steel Solution.

A fast, reliable and ergonomic fastening system for wood-to-steel applications, the Simpson Strong-Tie Quik Drive PROHSD Wood-to-Steel solution is designed to boost efficiency and performance while providing the perfect combination of speed and ease for many jobs that require attaching wood to steel — from truck and trailer beds to any high-paced manufacturing environment and beyond.

The Quik Drive PROHSD solution consists of a family of auto-feed screw driving systems and wood-to-steel fasteners. Simpson Strong-Tie is adding enhanced variations to the existing PROHSD60 and PROHSD75 Wood-to-Steel systems and Strong-Drive® TB Wood-to-Steel screws: the PROHSD60M, PROHSD75M, and a new high-performing Strong-Drive TF Wood-to-Steel screw.

The PROHSD60M and PROHSD75M have been enhanced with a new nosepiece that provides greater stability when driving the robust Strong-Drive TB and TF Wood-to-Steel fasteners. The PROHSD60M drives the 45 mm (1¾") and 60 mm (2½") Strong-Drive TB Wood-to-Steel screws and is an ideal solution for applications where wood is installed over steel up to ¼". For heavier-duty applications where steel member thickness is ¼" to ½", the PROHSD75M and Strong-Drive TF Wood-to-Steel fasteners are recommended.

To improve the performance of the PROHSD solution, Simpson Strong-Tie provides a variety of extensions to ensure more ergonomic, stand-up driving. A new optional footstep has been designed that attaches to the extension and allows for additional pressure to be applied while driving through the steel member.



### Features

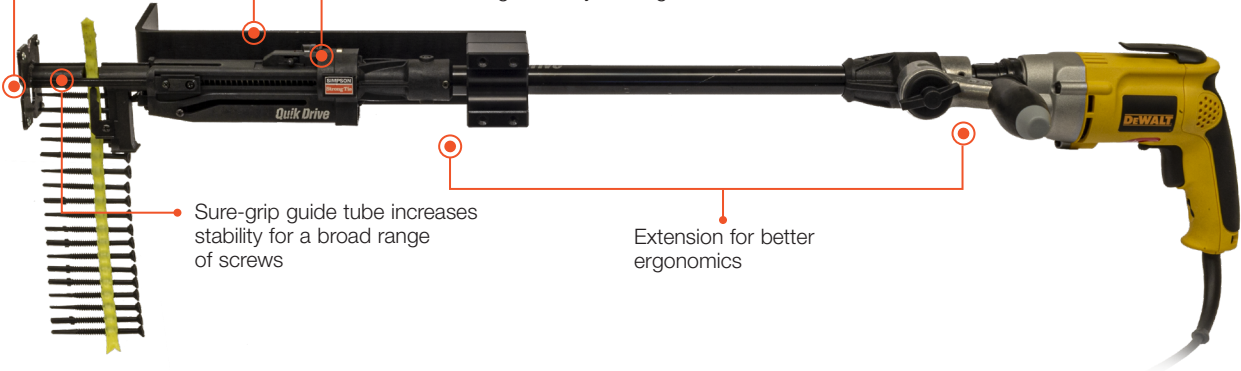
Stabilizing, non-skid nosepiece positions the screw on the board, ensuring consistent vertical fastener driving from a standing position

Optional footstep accessory allows additional force to be applied while driving through metal

Expanded depth settings for high-density flooring materials

Sure-grip guide tube increases stability for a broad range of screws

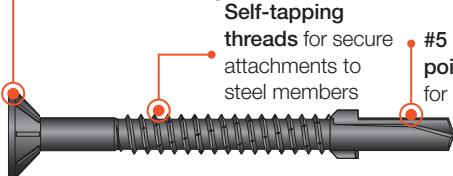
Extension for better ergonomics



Flat head with nibs for flush countersinking

Self-tapping threads for secure attachments to steel members

#5 self-drilling point with wings for boring wood

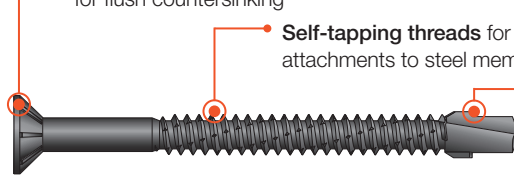


Strong-Drive TF Wood-to-Steel Screw

Flat head with nibs for flush countersinking

Self-tapping threads for secure attachments to steel members

#4 self-drilling point with wings for boring wood



Strong-Drive TB Wood-to-Steel Screw

# Stand up for wood-to-steel fastening

## Stand Up and Drive — the Quik Drive Advantage

- Extension enables ergonomic, stand-up screw driving, saving time while easing stress on knees, back and shoulders
- Patented Quik Drive auto-feed mechanism provides hands-free screw advancement, eliminating the extra time involved in handling individual screws
- No special certification is required to operate Quik Drive systems
- Limited lifetime warranty on the Quik Drive system; visit [strongtie.com/warranty](http://strongtie.com/warranty) for more information

## Recommended Fasteners for the Quik Drive Wood-to-Steel Solution

The TB and TF screws are designed for performance and productivity in high-paced environments and install 26% faster than traditional predrill and hand-drive methods, eliminating the need to predrill. The screws are designed with a self-drilling tip and wings for boring through wood, self-tapping threads that securely fasten into steel, and a flat head with nibs to countersink easily into wood surfaces.

### Applications

Wood-to-steel applications such as on trailer floors, trailer walls, truck beds, mezzanines, nailers and trimmers for steel buildings.

### Features

- Testing has shown that Simpson Strong-Tie collated screws achieve high shear load values, ensuring a strong, secure connection
- Strong-Drive® TF Wood-to-Steel screw has a #5 drill point with wings for boring through wood and penetrating thicker gauge steel members
- Strong-Drive TB Wood-to-Steel screw has a #4 drill point with wings for boring through wood and penetrating lighter gauge steel members
- Self-tapping threads for securely attaching to metal
- Flat head with nibs for easy flush countersinking
- Available in bulk quantities for hand driving or collated for Quik Drive systems
- Available in black phosphate and mechanically galvanized — N2000

## Collated Fasteners

### TFP Wood-to-Steel — Black Phosphate Coating



Length (in.) (mm)	Max. Grip Length (in.)	Shank Size	Head Diameter (in.)	Threads per Inch	Carton Quantity	Model No.	PROHSD60/ PROHSD60M	PROHSD75/ PROHSD75M
3 (75)	1.94	#14	0.46	14	750	TFP1475S	—	✓

Replacement driver bit: BITTX30

### TBG Wood-to-Steel — Mechanically Galvanized — N2000



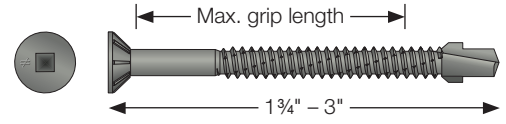
Length (in.) (mm)	Max. Grip Length (in.)*	Shank Size	Head Diameter (in.)	Threads per Inch	Carton Quantity	Model No.	PROHSD60/ PROHSD60M	PROHSD75/ PROHSD75M
1 3/4 (45)	1.06	#12	0.39	14	1,000	TBG1245S	✓	—
2 3/8 (60)	1.65	#12	0.46	14	1,000	TBG1260S	✓	—
1 3/4 (45)	1.06	#14	0.39	14	1,000	TBG1445S	✓	—
2 3/8 (60)	1.65	#14	0.46	14	750	TBG1460S	✓	—
3 (75)	2.24	#14	0.46	14	750	TBG1475S	—	✓

\*Grip length includes side member, steel thickness, air gaps (if any) and allowance for three threads protruding through the steel.  
Replacement driver bit: BIT3S-RC3

# Stand up for wood-to-steel fastening

## Collated Fasteners (cont.)

### TBP Wood-to-Steel — Black Phosphate Coating

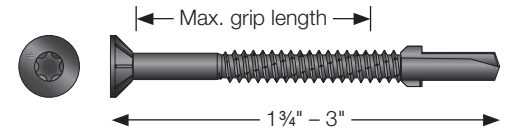


Length (in./mm)	Max. Grip Length (in.)*	Shank Size	Head Diameter (in.)	Threads per Inch	Carton Quantity	Model No.	PROHSD60/PROHSD60M	PROHSD75/PROHSD75M
1 1/4 (45)	1.06	#12	0.39	14	1,000	TBP1245S	✓	—
2 3/8 (60)	1.65	#12	0.46	14	1,000	TBP1260S	✓	—
2 3/8 (60)	1.65	#14	0.46	14	750	TBP1460S	✓	—
3 (75)	2.24	#14	0.46	14	750	TBP1475S	—	✓

\*Grip length includes side member, steel thickness, air gaps (if any) and allowance for three threads protruding through the steel.  
Replacement driver bit: BIT3S-RC3

## Hand-Drive Fasteners

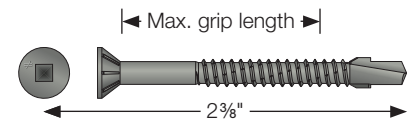
### TFP Wood-to-Steel — Black Phosphate Coating



Length (in./mm)	Max. Grip Length (in.)*	Shank Size	Head Diameter (in.)	Threads per Inch	Carton Quantity	Model No.	Bucket Quantity	Model No.
3 (75)	1.94	#14	0.46	14	50	TFP1475R50	1,000	TFP1475R1000

Replacement driver bit: BIT30T-S2-R1

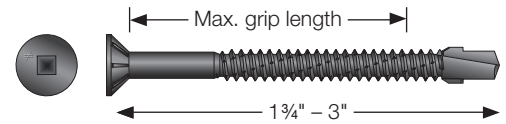
### TBG Wood-to-Steel — Mechanically Galvanized — N2000



Length (in./mm)	Max. Grip Length (in.)*	Shank Size	Head Diameter (in.)	Threads per Inch	Carton Quantity	Model No.
2 3/8 (60)	1.65	#12	0.39	14	1,500	TBG1260R1500

Replacement driver bit: BIT3S-2-R2

### TBP Wood-to-Steel — Black Phosphate Coating



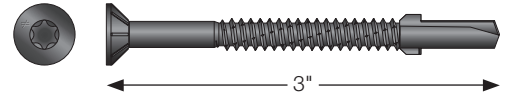
Length (in./mm)	Max. Grip Length (in.)*	Shank Size	Head Diameter (in.)	Threads per Inch	Carton Quantity	Model No.
1 1/4 (45)	1.06	#12	0.39	14	2,000	TBP1245R2000
1 1/4 (45)	1.06	#12	0.39	14	50	TBP1245R50
2 3/8 (60)	1.65	#14	0.46	14	1,000	TBP1460R1000
2 3/8 (60)	1.65	#14	0.46	14	50	TBP1460R50
3 (75)	2.24	#14	0.46	14	1,000	TBP1475R1000
3 (75)	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.  
Replacement driver bit: BIT3S-2-R2

# Stand up for wood-to-steel fastening

## Technical Information

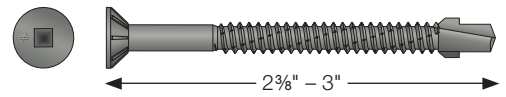
TF Wood-to-Steel — Allowable Loads —  
SPF, DFL, SP Lumber Attached to Steel  
(Results are the same per wood species for  
Steel Members 1/4"–15/32" Thick)



Model No.	Length (in.) (mm)	Nominal Wood Thickness (in.)	Wood Species	Reference SPF, DFL, SP Allowable Loads (lb.)			
				Uplift		Shear	
				C <sub>D</sub> = 1.0	C <sub>D</sub> = 1.6	C <sub>D</sub> = 1.0	C <sub>D</sub> = 1.6
TFP1475	3 (75)	1.5x	SPF	190	300	210	335
			DFL	260	415	265	425
			SP	370	590	300	480

1. For use with structural steel members from 1/4" up to 15/32" thick.
2. Minimum steel strength F<sub>U</sub> = 45 ksi.
3. Standard product available in a black phosphate coating.
4. Reference allowable loads are based on tests using 2x (1.5") thick wood members.
5. Use increased allowable loads (C<sub>D</sub> = 1.6) only when resisting wind or seismic forces. Values must be multiplied by all applicable adjustment factors per the NDS.
6. Minimum fastener spacing requirements to achieve allowable loads: 4" end distance, 1.5" edge distance, 0.75" between staggered rows, 2.5" between non-staggered rows (perpendicular to grain), 1.75" between non-staggered rows (parallel to grain), 1.75" between fasteners in a row (perpendicular to grain), and 4" between fasteners in a row (parallel to grain).

TB Wood-to-Steel — Allowable Loads —  
DF and SP Lumber Attachment to Steel  
(Steel Members 16 ga.–5/16" Thick)



Model No.	Length (in.) (mm)	Nominal Wood Thickness (in.)	Steel Thickness [mil (ga.)]	Reference DFL/SP Allowable Loads (lb.)			
				Uplift		Shear	
				C <sub>D</sub> = 1.0	C <sub>D</sub> = 1.6	C <sub>D</sub> = 1.0	C <sub>D</sub> = 1.6
TB1460S	2 3/8 (60)	1.5x	54 (16)	195	195	210	335
			68 (14)	225	225	210	335
			97–375 (12–5/16")	245	390	215	345
54 (16)	195		195	210	335		
TB1475S	3 (75)		68 (14)	225	225	210	335
			97–375 (12–5/16")	245	390	215	345

1. For use with structural steel members up to 5/16" thick or cold-formed steel members 54 mil (16 ga.) or thicker.
2. Minimum steel strength F<sub>U</sub> = 45 ksi.
3. Standard product available in a black phosphate coating. Mechanically galvanized (N2000) coating available for additional corrosion protection.
4. Reference allowable loads are based on tests using 2x (1.5") thick wood members.
5. Use increased allowable loads (C<sub>D</sub> = 1.6) only when resisting wind or seismic forces. Values must be multiplied by all applicable adjustment factors per the NDS.
6. Minimum fastener spacing requirements to achieve allowable loads: 4" end distance, 1.5" edge distance, 1.5" between staggered rows, 3" between non-staggered rows, and 4" between fasteners in a row.

# Stand up for wood-to-steel fastening

## Wood-to-Steel Solution Product Information

The Quik Drive PROHSD75M and PROHSD60M auto-feed screw driving attachments are specifically designed for wood-to-steel fastening. Both attachments feature an extended nosepiece that provides additional stability and more accurate placement. An optional extension is available that provides for stand-up driving, which increases comfort and productivity. The PROHSD75 drives 3" (75 mm) TF Wood-to-Steel fasteners and is recommended for fastening wood to 1/4" to 1 1/2" thick steel. The PROHSD60M drives TB Wood-to-Steel fasteners up to 2 3/8" (60 mm) and is recommended for fastening wood up to 1/4" thick steel.

### The PROHSDM Solution Includes (all components sold separately):

- PROHSD75M or PROHSD60M Wood-to-Steel attachment with built-in stabilizing nosepiece
- Optional sturdy extension for stand-up driving
- Optional footstep for applying additional pressure when penetrating into thicker steel
- Also available: 1,000 rpm to 2,000 rpm driver motor with Quik Drive adapter
- Lifetime limited warranty (see [strongtie.com/warranty](http://strongtie.com/warranty) for more information)



Quik Drive PROHSD75M



Quik Drive PROHSD75



Quik Drive PROHSD60M



Quik Drive PROHSD60



TFSTEP Footstep



G2 Extension



Driver Motor

### Quik Drive PROHSD Wood-to-Steel Tool Options

Model No.	Description
PROHSD75M	PROHSD75M tool (with stabilizing nosepiece)
PROHSD60M	PROHSD60M tool (with stabilizing nosepiece)
QDHS75	PROHSD75 tool
QDHS60	PROHSD60 tool
TFSTEP	Footstep
QDEXTG2-16	16" G2 extension
QDEXTG2	20" G2 extension
DW267QD	DeWalt® 2,000 rpm driver motor
DW269QD	DeWalt 1,000 rpm driver motor
PMANDREL75	Replacement mandrel
PFEEDPAWL3	Replacement feed pawl
BITTX30-RC3	Quik Drive Replacement T30 6-lobe driver bit (3 pack)
BITTX30-RC10	Quik Drive Replacement T30 6-lobe driver bit (10 pack)
BIT3S-RC3	Quik Drive Replacement #3 square driver bit (3 pack)
For Hand-Drive Applications	
Description	
BIT30T-S2-R1	Replacement T30 6-lobe driver bit
BIT3S-2-R2	Replacement #3 square driver bit