Wood Rod Hanger Threaded Rod Anchor System

The wood rod hanger from Simpson Strong-Tie is a one-piece fastening system for suspending ¼" or ⅜" threaded rod. Vertical rod hangers are designed to suspend threaded rod in overhead applications from wood members. Horizontal rod hangers are available for applications requiring installation into the side of joists, columns and overhead members. Both rod hangers provide attachment points for use in pipe hanging, fire protection, electrical conduit and cable-tray applications. Recommended for use in dry, interior, non-corrosive environments only.

Features

- Threaded anchors for rod-hanging applications in wood
- Suitable for installation horizontally or vertically in overhead applications
- No predrilling required
- Type-17 point provides for fast starts
- Recommend installation with a 18V cordless drill/driver or 18V cordless impact driver

Codes: FM 3058980;
UL File Ex3605

Material: Carbon steel

Coating: Zinc plated

RWH
Horizontal Wood
Rod Hanger

RWV
Vertical Wood
Rod Hanger

Wood Rod Hangers

Rod Diameter (in.)	Size (in.)	Model No.	Application	Point Style	Quantity	
					Box	Carton
¼	¼ x 2	RWV25200	Vertical	Type 17	25	250
⅜	¼ x 1	RWV37100				
⅜	¼ x 2	RWV37200				
⅜	5⁄16 x 2½	RWV37212				
¼	¼ x 1	RWH25100	Horizontal	Type 17	25	250
⅜	¼ x 2	RWH37200				
⅜	5⁄16 x 2½	RWH37212				

Type-17 point for use in wood

Wood Rod Hanger Design Information — Wood

Tension Wood Rod Hanger Allowable Loads

Model No.	Rod Dia. (in.)	Size (in.)	Minimum Edge Distance (in.)	Minimum End Distance (in.)	Minimum Spacing (in.)	Allowable Tension Loads (lb.)			Pipe Size (in.)	
						DF	SP	SPF	UL Approval	FM Approval
RWV25200	¼	¼ x 2	¾	2¾	2¾	375	435	310	—	—
RWV37100	⅜	¼ x 1				155	190	105	—	—
RWV37200	⅜	¼ x 2				375	435	310	3	—
RWV37212	⅜	5⁄16 x 2½		3¼	3¼	605	590	495	4	4

1. Load values are based on full shank penetration into the wood member.
2. Allowable loads may be increased by CD = 1.6 for wind or earthquake.
3. Allowable loads are based on a factor of safety of 5.0.
4. Mechanical and plumbing design codes may prescribe lower allowable loads. Verify with local codes.
5. Allowable loads are based on Douglas Fir-Larch (DF), Southern Pine (SP) and Spruce-Pine-Fir (SPF) wood members having a minimum specific gravity of 0.50, 0.55 and 0.42, respectively.

Shear Wood Rod Hanger Allowable Loads

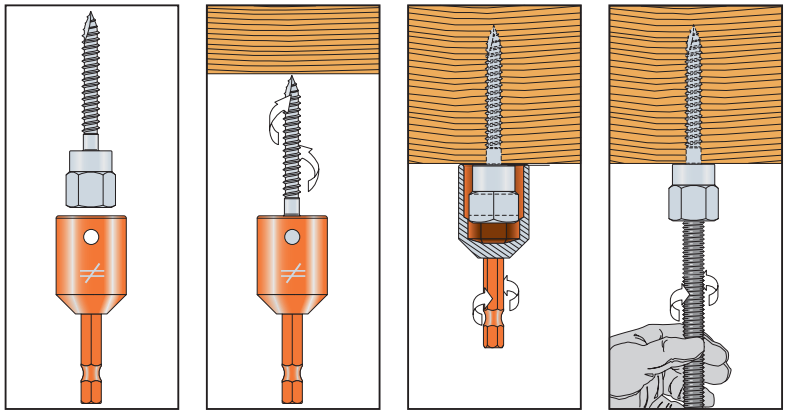
Model No.	Rod Dia. (in.)	Size (in.)	Minimum Edge Distance (in.)	Minimum End Distance (in.)	Minimum Spacing (in.)	Allowable Shear Loads (lb.)			Pipe Size (in.)
						DF	SP	SPF	UL Approval
RWH25100	¼	¼ x 1	1	2¾	2¾	110	135	85	—
RWH37200	⅜	¼ x 2	2½			240	225	330	3
RWH37212	⅜	5⁄16 x 2½		3¼	3¼	230	265	240	3

1. Load values are based on full shank penetration into the wood member.
2. Allowable loads may not be increased for short-term loading.
3. Allowable loads are based on a factor of safety of 5.0.
4. Mechanical and plumbing design codes may prescribe lower allowable loads. Verify with local codes.
5. Allowable loads are based on Douglas Fir-Larch (DF), Southern Pine (SP) and Spruce-Pine-Fir (SPF) wood members having a minimum specific gravity of 0.50, 0.55 and 0.42, respectively.

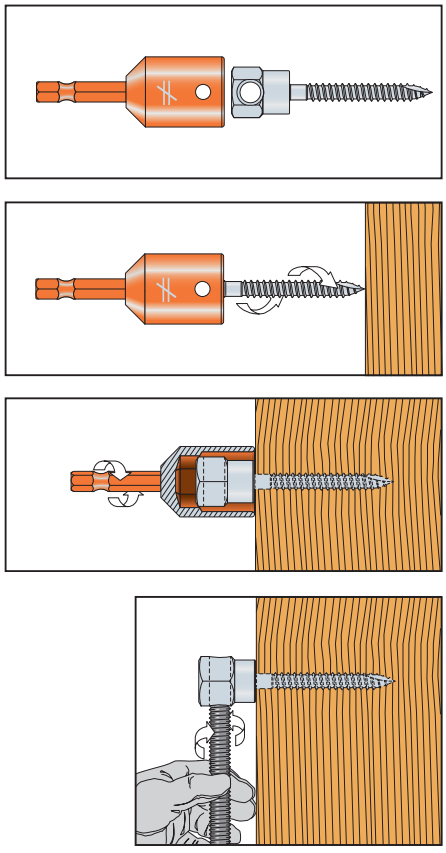
Installation Sequence

1. Attach RND62 nut driver to a drill.
2. Insert rod hanger into the RND62 nut driver.
3. Using rotation-only mode, drive rod hanger until it contacts the surface. Do not over-tighten. RND62 nut driver will disengage the rod hanger at the appropriate depth to prevent over-driving.
4. Insert threaded rod. Minimum thread engagement should be equal to the nominal diameter of the threaded insert.

Vertical Wood Rod Hanger



Horizontal Wood Rod Hanger



** See p. 12 for an explanation of the load table icons.*