

ROD HANGERS

ZINC PLATED FOR STEEL & WOOD

CERTIFICATION

TECHNICAL DATA



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ROD HANGERS

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Rod Hangers feature an internal thread to facilitate bolt and rod connections. It is a one piece, steel anchor designed for rod hanging applications such as mechanical/fire sprinkler systems, ductwork/HVAC, electrical and pipe hanging. The rod hanger can be installed into substrates such as wood, metal deck and steel purlins.

VERTICAL
FOR STEELVERTICAL
FOR WOODHORIZONTAL FOR
STEELHORIZONTAL FOR
WOOD

APPLICATIONS

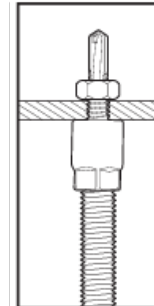
- Single or multiple pipes
- Overhead applications
- Duct and piping installations
- Close to edge/close to anchor applications

ORDERING INFORMATION

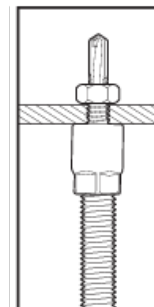
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TABLE 1: 1AFS ROD HANGER ORDERING INFORMATION

PART NUMBER	SCREW SIZE	ROD SIZE	SOCKET SIZE	QTY/BOX
1AFS381	1/4-20 x 1"	3/8"	1/2"	50
1AFH38N	1/4-20 x 1" w/ Nut	3/8"	1/2"	50
1AFS38	1/4-20 x 2"	3/8"	1/2"	50

**TABLE 2: 1AFS-H ROD HANGER ORDERING INFORMATION**

PART NUMBER	SCREW SIZE	ROD SIZE	SOCKET SIZE	QTY/BOX
1AFSH381	1/4-20 x 1"	3/8"	1/2"	50
1AFSH381N	1/4-20 x 1" w/ Nut	3/8"	1/2"	50
1AFSH3812	1/4-20 x 2"	3/8"	1/2"	50
1AFSH3812N	1/4-20 x 2" w/ Nut	3/8"	1/2"	50



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PERFORMANCE DATA

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TABLE 3: FOR STEEL - ULTIMATE LOAD CAPACITIES WHEN INSTALLED IN STEEL^{1,2}

PART #	SCREW DESCRIPTION	MOUNT DIRECTION	ROD COUPLER SIZE	STEEL GAUGE THICKNESS (in.)						
				16 0.060 lbs.	14 0.075 lbs.	12 0.105 lbs.	1/8 0.125 lbs.	3/16 0.187 lbs.	1/4 0.250 lbs.	1/2 0.500 lbs.
1AFS381	1/4-20 x 1"	Vertical	3/8"	785	1,140	1,740	2,375	4,695	—	—
1AFH38N	1/4-20 x 1" w/ Nut	Vertical	3/8"	3,435	4,025	4,280	4,690	5,810	—	—
1AFS38	1/4-20 x 2"	Vertical	3/8"	785	1,140	1,740	2,375	4,695	—	—
HORIZONTAL IN STEEL										
1AFSH381	1/4-20 x 1"	Horizontal	3/8"	1,740	1,945	2,420	2,570	2,810	—	—
1AFSH381N	1/4-20 x 1" w/ Nut	Horizontal	3/8"	2,755	2,810	2,570	2,810	2,810	—	—
1AFSH3812	1/4-20 x 2"	Horizontal	3/8"	1,740	1,945	2,420	2,570	2,810	—	—
1AFSH3812N	1/4-20 x 2" w/ Nut	Horizontal	3/8"	2,755	2,810	2,570	2,810	2,810	—	—

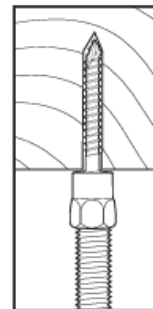
- The values listed above are ultimate load capacities which must be reduced by minimum safety factor of 3.0 or greater to determine the allowable working load.
- The strength of the threaded rod used with the rod hangers must be considered when determining the controlling load capacity of the assembly.

ORDERING INFORMATION

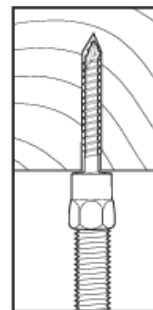
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TABLE 4: 1AFG ROD HANGER ORDERING INFORMATION

PART NUMBER	SCREW SIZE	ROD SIZE	SOCKET SIZE	QTY/BOX
1AFG382	1/4 x 2"	3/8"	5/8"	50
1AFG38	5/16 x 2-1/2"	3/8"	1/2"	50

**TABLE 5: 1AFG-H ROD HANGER ORDERING INFORMATION**

PART NUMBER	SCREW SIZE	ROD SIZE	SOCKET SIZE	QTY/BOX
1AFGH382	1/4 x 2"	3/8"	5/8"	50
1AFGH38	5/16 x 2-1/2"	3/8"	1/2"	50





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PERFORMANCE DATA

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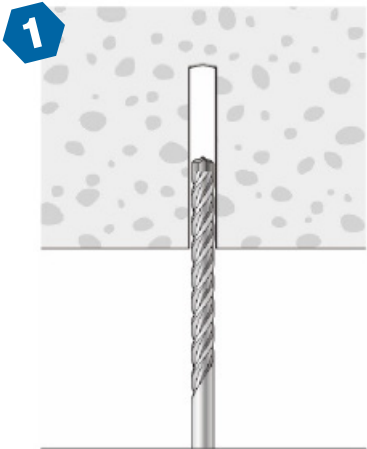
TABLE 6: FOR WOOD - ULTIMATE LOAD CAPACITIES WHEN INSTALLED IN WOOD^{1,2}

PART #	SCREW DESCRIPTION	MOUNT DIRECTION	ROD COUPLER SIZE	LOAD (lbs.)
1AFG382	1/4 x 2"	Vertical	3/8"	1,510
1AFG38	5/16 x 2-1/2"	Vertical	3/8"	2,670
HORIZONTAL IN STEEL				
1AFGH382	1/4 x 2"	Horizontal	3/8"	1,080
1AFGH38	5/16 x 2-1/2"	Horizontal	3/8"	1,450

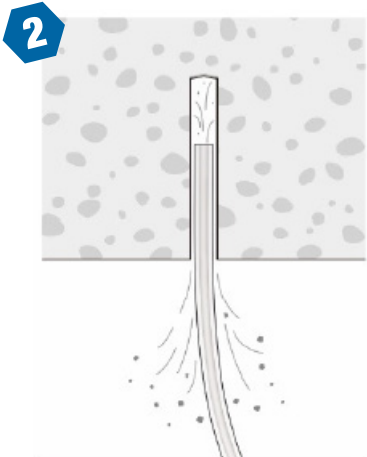
*Ultimate Loads in Douglas Fir, Pine and Spruce

- Truss/joist manufacturers may require pre-drilled holes with wood depending on the location of the anchor installation. Consult with the truss/joist manufacturer for details.
- The values listed above are ultimate load capacities that must be reduced by a minimum safety factor of 3.0 or greater to determine the allowable working load.

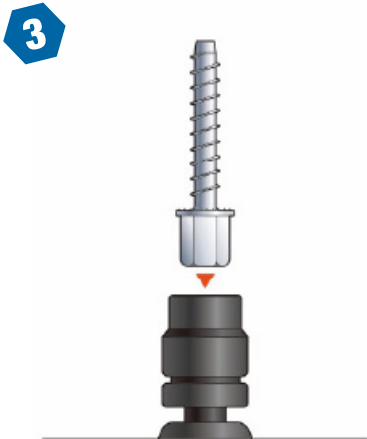
INSTALLATION INSTRUCTIONS



1. Drill a hole into the base material to the required depth using a drill bit that meets the requirements of ANSI B212.15.



2. Remove dust and debris from the hole using a hand pump or compressed air.



3. Select a powered impact wrench of a torque wrench, attach an appropriate sized hex socket to the wrench and mount the screw anchor head into the socket.



4. Install the anchor with an impact wrench through the surface. The correct force should be considered during the installation to make sure the socket doesn't do damage to the member surface or self-inflict any damage to its connecting threads.






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INSTALLATION INSTRUCTIONS

ACCESSORIES

TABLE 7: ACCESSORIES ORDERING INFORMATION

PART NUMBER	DESCRIPTION	IMAGE
5MNS121304	1/2 x 1-3/4 Magnetic Nut Setter	
5DWMT73934	1/2 Impact Deep Well Socket 1/2-Square Drive	
5DWMT73939B	3/4 Impact Deep Well Socket - 1/2 Square Drive	
51837573	1/2-Square Impact Socket Extension/Adapter 1/4 Hex Shank	