

L. H. D O T T I E

Ceiling Solutions

Telescoping Pole Tool for Electricians

Great for Hanging Wire, Jack Chain, Threaded Rod, Smooth Rod, and Screws

Reach High Ceilings Without Climbing a Ladder





Telescoping Pole Tool

Reaching New Heights!

The Dottie Electrical Telescoping Pole Tool is the electrician's pole tool. The unique plug-in heads make it the most efficient tool of its kind. Use it to install ceiling wire, jack chain, threaded rod, smooth rod, and overhead screw installations. Power the pole with any 3/8" or 1/2" drill.

Can also be used for overhead screw installation. In addition it's thin profile allows access to tight spaces.

Provides a safe way to reach areas that previously were dangerous or inaccessible to ladders, scaffolding, and scissor lifts - including vaulted ceilings, over stairwells, and through ceiling grid.

- Installs flat hanger screws from ground level without the need for ladders, scaffolding, or scissor lifts.
- Black anodized aircraft quality aluminum.
- Designed for standard 12 gauge wire, but will work with up to 8 gauge.
- Increases safety by keeping your employees on the ground.
- Made in USA.

***Telescopes to Reach 17 to 24 ft. Ceilings**

Attaches to Virtually any 3/8" or 1/2" Power Drill

Telescoping Pole Tool

Use it to install ceiling wire, jack chain, threaded rod, smooth rod, and overhead screw installations. Power the pole with any 3/8" or 1/2" drill. Includes Chain & Wire Hanger Adapter, Rod Hanger Adapter 3/8 & 1/2", and Bit Adapter

CAT NO	DESCRIPTION	STD
DLM12	Triple 4ft. Electrical Telescoping Pole Tool	1
DLM18	Triple 6ft. Electrical Telescoping Pole Tool	1

* Triple 4ft. and Triple 6ft. Telescoping Poles

Instructional Videos Available at lhdottie.com

Usage & Accessories

Hang Chain & Wire

Use to install ceiling wire & Jack Chain.



Wire & Chain Hanger Coupling

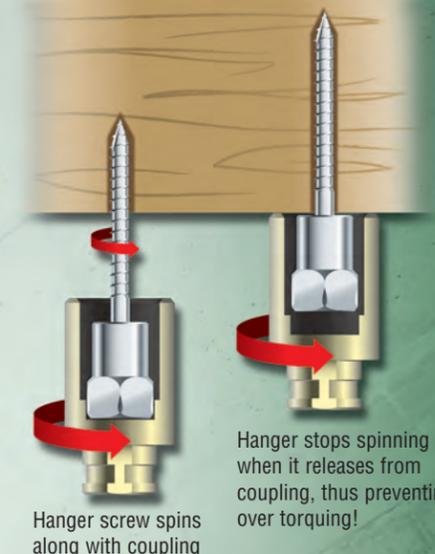


Hang Threaded Rods

Patented Rod Hanger Couplings NO OVER TORQUING!

Use to install Rod Hangers.

Install 1/4" & 3/8" Threaded Rod



Hanger screw spins along with coupling

Hanger stops spinning when it releases from coupling, thus preventing over torquing!

Use as a Bit Driver and a Nut Driver (Nut Driver Not Included)

Use to Convert as a Long Reach Bit Driver or Nut Driver



1/4" Bit & Power Bit Adapter



(Phillips Bit Not Included)



Use with Any Size Nut Driver (Not Included)

Excellent For..

- Chain Hanging
- Wire Hanging
- Pipe hanging
- Conduit
- Eye rod
- Cable Trays
- Lighting systems
- Strut channels
- Overhead utilities
- Sprinkler systems
- Drop ceilings
- HVAC Duct
- Electrical
- Refrigeration

Who Uses the Pole?

- Plumbers
- Maintenance Contractors
- Electricians
- Sprinkler Contractors
- Mechanical Contractors
- HVAC Contractors

Advantages:

- Lower "IN-PLACE" cost
- Simple to install
- FAST
- 1 Socket for Wood & Steel
- 1 Pole for all hanging
- L.H. Dottie Support
- 15 Year performance warranty

Chain

Wire & Hangers

Jack Chain • Bright Galvanized - PC 5000

Jack chain is used for suspending fixtures. Steel Material.

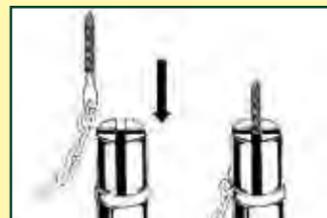
CAT NO	GAUGE	DIAMETER	WORK LOAD	BREAK LOAD	SIZE	STD
CH1010	#10	.135	43 lbs	170 lbs	#10	100'
CH10P (Pail)	#10	.135	43 lbs	170 lbs	#10	300'
CH1212	#12	.105	29 lbs	115 lbs	#12	100'
CH12P (Pail)	#12	.105	29 lbs	115 lbs	#12	300'
CH1414	#14	.080	16 lbs	65 lbs	#14	100'
CH1616	#16	.080	10 lbs	40 lbs	#16	100'

Double Loop Jack Chain - PC 5010

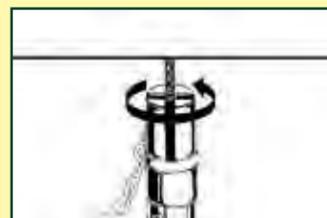
Double loop is a locked link chain with higher load ratings than jack chain. Because the links cannot be opened it requires the use of the S hook. Locked Link, Steel.

CAT NO	GAUGE	DIAMETER	WORK LOAD	BREAK LOAD	SIZE	STD
DL2/0	#10	.135	255 lbs	1020 lbs	#2/0	100'
DL1/0	#11	.120	200 lbs	800 lbs	#1/0	100'
DL1	#12	.105	155 lbs	620 lbs	#1	100'
DL2	#13	.091	115 lbs	460 lbs	#2	100'
DL3	#14	.080	90 lbs	360 lbs	#3	100'

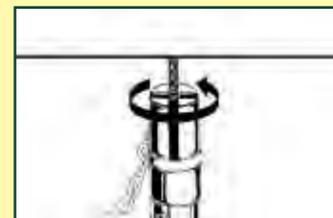
Installation Procedure for Hanging Chain



Secure a #1 1/2 "S" hook to an acoustical eye lag and to the proper size chain for your job. Insert it into the Telescoping Pole Tool.



Secure a the chain in the magazine so it does not whip when rotating the pole. Now rotate the eye lag screw until it is seated.



Lower the Telescoping Pole Tool.

"S" Hooks - PC 4870

"S" Hooks are manufactured from low carbon cold drawn steel wire supplied with blunt ends and zinc plated. Hooks are used to hang fixtures suspended from chain.

CAT NO	OVERALL LENGTH (L)	DIAMETER EYE (C)	DIAMETER OPENING (E)	WIRE GAUGE (D)	STD
S1	1"	1/4"	3/16"	11 Ga.	100
S2	1-1/2"	7/16"	1/4"	7 Ga.	100
S3	2"	9/16"	3/8"	1/4"	50
S4	2-1/2"	3/4"	7/16"	5/16"	50
S5	3"	7/8"	1/2"	5/16"	50

Pre-Tied Ceiling Wire With Clip - PC 4385

Pre-Tied Ceiling Wires are installed with low velocity powder actuated tools in poured concrete deck.
• 12 Gauge Wire • Includes 1-1/4" Pin & Clip • Galvanized Finish • ICC# ESR1530

CAT NO	DESCRIPTION	STD
*CWC6	6' Pre-Tied ceiling wire with 1-1/4" Pin & Clip	100
*CWC8	8' Pre-Tied ceiling wire with 1-1/4" Pin & Clip	100
*CWC10	10' Pre-Tied ceiling wire with 1-1/4" Pin & Clip	100

* Powder Activated Pole Tools Available



Ceiling Wire - PC 4385

Ceiling Wires are installed with low velocity powder actuated tools in poured concrete deck.
• 12 Gauge Wire • Galvanized Finish • ICC# ESR1530

CAT NO	DESCRIPTION	STD
CWS6	Ceiling Wire 6' Straight	100
CWS8	Ceiling Wire 8' Straight	100
CWS10	Ceiling Wire 10' Straight	100



Flat Hanger Screws - PC 4920

• Flat Hanger Screws
• TK - With Drill Pt.

CAT NO	DESCRIPTION	STD
631	1/4 x 3"	100
631TK	1/4 x 2"	100



Installation Procedure for Hanging Wire



Adjust the telescoping tubes to the proper lengths.



Insert 1/4" x 3" acoustical lag screw into top slot.



Insert wire into side of slot, through the hold in the lag screw. Then bend the wire end down.



Raise tool against beam or joist, rotate Telescoping Pole Tool until the Lag is at least 1" into the wood.



Lower the tool about two inches as shown



Rotate the tool again to twist the wire. Telescoping Pole Tool may be turned by hand or by using a 1/2" variable speed drill. Caution: if using drill, do not grip pole tightly with hand, but allow it to turn loosely.

Rod Hanging Fasteners

Hang Rods Using Dottie Rod Hangers

Use the Electrical Telescoping Pole Tool for suspending steel threaded rod vertically overhead in pipe hanging, fire protection, electrical conduit and cable-tray applications. It can be installed in a variety of base materials including steel bar joists and beams, wood frame columns and beams, as well as concrete ceilings, beams and columns.

Steel threaded rods in 1/4", 3/8" and 1/2" diameters can be vertically suspended with the Electrical Telescoping Pole Tool. In wood and steel base materials, the system is also offered in a side mount style for lateral installation of 1/4" and 3/8" diameter steel threaded rods onto joists, columns and trusses. For all steel and wood Dottie Rod Hanging fasteners, a Dottie Socket Driver is recommended to provide proper installation with a screw gun or hammer drill.

Concrete Dottie Rod Hanging fasteners should be installed with the appropriate size standard drive sockets and adjustable torque, battery powered screw gun or hammer drill.

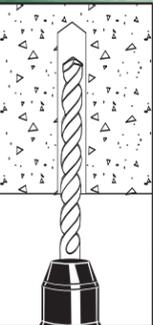
Labor Savings

SAVE IN INSTALLATION COSTS

BASE MATERIAL	SPEED OF INSTALLATION	INSTALLED COST	INSTALLATION	TYPICAL COST INSTALLED (3/8" SIZE)				
				LABOR/MIN	TIME	LABOR	MATERIAL	TOTAL
Steel	Fast	Low	Very Easy	\$0.77	1	\$0.77	\$1.73	\$2.50
Beam Clamp	Slow	High	Average	\$0.77	4	\$3.08	\$2.22	\$5.30
SAVE \$2.80		SAVE 53%						
Wood	Fast	Low	Easy	\$0.77	1	\$0.77	\$1.42	\$2.19
Hanger Bolt, Rod/Coupler	Slow	High	Medium	\$0.77	5	\$3.85	\$0.73	\$6.54
SAVE \$4.35		SAVE 67%						
Concrete	Medium	Low	Easy	\$0.77	5	\$3.85	\$1.42	\$5.27
Hanger Bolt, Rod/Coupler	Slow	High	Hard	\$0.77	11	\$8.47	\$1.02	\$9.49
SAVE \$4.22		SAVE 44%						

Installation Procedure

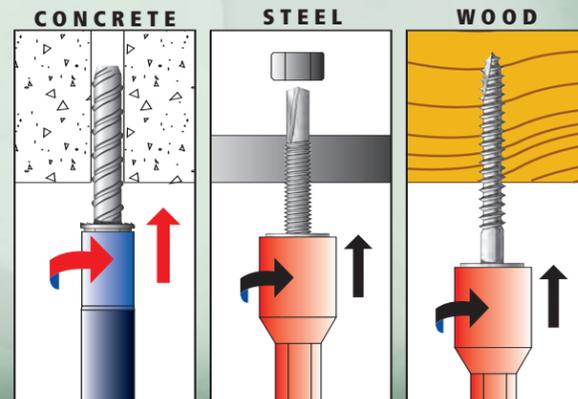
CONCRETE



When installing Dottie Rod Hanging System fasteners, eye protection should be worn as a safety precaution. If pre-drilling is required (certain types of wood truss / wood joist and all concrete base materials), select the recommended drill bit type and diameter. Drill to the appropriate embedment depth, adding at least one diameter (1/4" to 1/2") to the drilling depth to prevent the tip of the fastener from running into a dead end at the rear of the anchor hole.

Select the appropriate socket driver for the anchor size and type to be installed and mount into chuck of installation tool. Insert the Dottie Rod Hanging System fastener into the socket driver, and install perpendicular to the base material surface.

Drive the fastener with a smooth steady motion until the coupling is firmly seated against the surface of the base material. Concrete Rod Hangers may also be installed in "Impact" mode with a small electric wrench.



Thread the appropriate diameter steel threaded rod or threaded bolt into the coupling. The threaded rod or bolt should fully engage the thread length of the coupling on a vertical mount fastener. The threaded rod or threaded portion of the bolt can pass through coupling of a side mount fastener.

For UL and FM listings, the Dottie Rod Hanging System should be installed with a retaining nut.

Wood Bottom Mount Rod Hangers PC 4600

CAT NO	ROD SIZE	SCREW SHANK SIZE/LENGTH	POINT STYLE	PRE-DRILL (IF REQUIRED)	STD
SSW14B B	1/4"	1/4" x 2"	Type 17	1/8"	100
SSW38B B	3/8"	1/4" x 2"	Type 17	1/8"	100
SSW38BUL B	3/8"	3/8" x 2-1/2"	Type 17	1/8"	100
SSW12B B	1/2"	3/8" x 2-1/2"	Type 17	1/8"	100

Mount Direction: **B** = Bottom Mount

Wood Side Mount Rod Hangers PC 4600

CAT NO	ROD SIZE	SCREW SHANK SIZE/LENGTH	POINT STYLE	PRE-DRILL (IF REQUIRED)	STD
SSW14S S	1/4"	1/4" x 2"	Type 17	1/8"	100
SSW38S S	3/8"	1/4" x 2"	Type 17	1/8"	100
SSW38SUL S*	3/8"	3/8" x 2-1/2"	Type 17	1/8"	100

Mount Direction: **S** = Side Mount

Steel Bottom Mount Rod Hangers PC 4600

CAT NO	ROD SIZE	SCREW SHANK SIZE/LENGTH	POINT STYLE	SELF DRILLING RANGE	STD
#3 For Purlins					
SSM14B B	1/4"	1/4"-20 x 1"	#3	0.036" – 0.188"	100
SSM38BR B N	3/8"	1/4"-20 x 1-1/2"	#3	0.036" – 0.188"	100
#5 For Beams					
SSM12BR B N	1/2"	12-24 x 1-1/2"	#5	0.188" – 0.500"	100

Mount Direction: **B** = Bottom Mount **B N** = Bottom Mount With Nut

Steel Side Mount Rod Hangers PC 4600

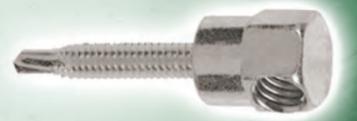
CAT NO	ROD SIZE	SCREW SHANK SIZE/LENGTH	POINT STYLE	SELF DRILLING RANGE	STD
#3 For Purlins					
SSM14S S	1/4"	1/4"-20 x 1"	#3	0.036" – 0.188"	100
SSM38SR S N	3/8"	1/4"-20 x 1-1/2"	#3	0.188" – 0.520"	100

Mount Direction: **S** = Side Mount **S N** = Side Mount With Nut

Concrete Bottom Mount Rod Hangers PC 4600

CAT NO	ROD SIZE	SCREW SHANK SIZE/LENGTH	THREAD STYLE	PRE-DRILL DIAMETER	STD
SSC14B B	1/4"	1/4" x 1-1/4"	ANSI Wedge-Bolt Thread	1/4" ANSI	100
SSC38B B	3/8"	1/4" x 1-1/2"	ANSI Wedge-Bolt Thread	1/4" ANSI	100
SSC12B B	1/2"	3/8" x 2-3/4"	ANSI Wedge-Bolt Thread	3/8" ANSI	50

Mount Direction: **B** = Bottom Mount





Performance Data

STEEL DOTTIE ROD HANGING SYSTEM - Ultimate Load Capacities Installed in Minimum ASTM A 36 Steel (Purlins and Beams)

ROD DIA.	MOUNT DIRECTION	SCREW SHANK SIZE & LENGTH	20 (LBS)	18 (LBS)	16 (LBS)	14 (LBS)	12 (LBS)	3/16" (LBS)	1/4" (LBS)
1/4"	Bottom Mount	1/4"-20 x 1"	1,550	1,550	1,775	1,775	2,050	3,850	5,040
1/4"	Side Mount	1/4"-20 x 1"	1,550	1,550	1,775	1,775	2,050	3,850	2,050
3/8"	Bottom Mount	1/4"-20 x 1-1/2" (w/nut)	1,550	1,550	1,775	1,775	2,050	3,850	5,040
3/8"	Side Mount	1/4"-20 x 1-1/2" (w/nut)	1,550	1,550	1,775	1,775	2,050	3,850	2,050
1/2"	Bottom Mount	12-24 x 1-1/2" (w/nut)	-	-	920	1,560	2,050	3,280	5,040

For Steel Dottie Rod Hangers loaded perpendicular to the threaded rod (shear) the ultimate load capacity for the anchor is 1,965 lbs in nominal 20 gage steel (0.036"). Steel Dottie Rod Hangers are recommended to be installed with the Universal Steel & Wood Nut Driver.

WOOD DOTTIE ROD HANGING SYSTEM - Ultimate Load Capacities Installed in Wood Base Materials (Structural Wood and Timber)

ROD DIA.	MOUNT DIRECTION	SCREW SHANK SIZE & LENGTH	EMBEDMENT DEPTH	FIR (LBS)	PINE (LBS)	SPRUCE (LBS)
1/4"	Bottom Mount	1/4" x 2"	2"	685	650	650
1/4"	Side Mount	1/4" x 2"	2"	1,510	1,510	1,510
3/8"	Bottom Mount	1/4" x 2"	2"	1,510	1,510	1,510
3/8"	Side Mount	1/4" x 2"	2"	1,800	1,800	1,800
3/8"	Bottom Mount	3/8" x 2-1/2"	2-1/2"	2,670	3,110	3,110
3/8"	Side Mount	3/8" x 2-1/2"	2-1/2"	1,450	1,530	1,380
1/2"	Bottom Mount	3/8" x 2-1/2"	2-1/2"	2,670	3,110	3,110

*Timber/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. Wood Dottie Rod Hangers are recommended to be installed with the Universal Steel & Wood Nut Driver.

CONCRETE DOTTIE ROD HANGING SYSTEM - Ultimate Load Capacities Installed in Normal Weight Concrete

ROD DIA.	MOUNT DIRECTION	SCREW SHANK SIZE & LENGTH	ANSI DRILL BIT DIAMETER	EMBEDMENT DEPTH	MAX. CLAMPING TORQUE	2,000 PSI CONCRETE TENSION (LBS)	2,000 PSI CONCRETE SHEAR (LBS)	4,000 PSI CONCRETE TENSION (LBS)	4,000 PSI CONCRETE SHEAR (LBS)	6,000 PSI CONCRETE TENSION (LBS)	6,000 PSI CONCRETE SHEAR (LBS)
1/4"	Bottom Mount	1/4" x 1-1/4"	1/4"	1-1/4"	8 ft. - lbs.	1,390	1,810	1,950	2,440	2,070	2,570
3/8"	Bottom Mount	1/4" x 1-1/2"	1/4"	1-1/2"	8 ft. - lbs.	1,760	2,580	2,595	2,640	2,770	2,700
1/2"	Bottom Mount	3/8" x 2-3/4"	3/8"	2-3/4"	35 ft. - lbs.	5,320	5,250	6,050	6,330	8,620	7,410

Concrete Dottie Rod Hangers are recommended to be installed with the appropriate Concrete Nut Driver.

WOOD DOTTIE ROD HANGING SYSTEM - Ultimate Load Capacities Installed in Wood Base Materials (Structural Wood and Timber)

ROD DIA.	MOUNT DIRECTION	SCREW SHANK SIZE & LENGTH	ANSI DRILL BIT DIAMETER	EMBEDMENT DEPTH	MAX. CLAMPING TORQUE	CENTER OF WEB (LBS)	CENTER OF CORE (LBS)
1/4"	Bottom Mount	1/4" x 1-1/4"	1/4"	1-1/4"	8 ft. - lbs.	2,775	1,920
3/8"	Bottom Mount	1/4" x 1-1/2"	1/4"	1-1/2"	8 ft. - lbs.	3,700	2,570
1/2"	Bottom Mount	3/8" x 2-3/4"	3/8"	2-3/4"	35 ft. - lbs.	8,240	3,480

Tabulated load values are for anchors installed in 8-inch thick hollow core plank with a minimum compressive strength of 4,000 psi at the time of installation. The 4' x 6' normal-weight concrete member features include 1-1/2" cover above and below cores and a minimum web thickness of 1-1/2".

Concrete Dottie Rod Hangers are recommended to be installed with the appropriate Concrete Nut Driver.

Data is in accordance with latest acceptance criteria and ASTM Standards.

Depending on fastener application and governing building code, ultimate load capacities should be reduced by a minimum safety factor to determine the allowable working load. NFPA 13 Fire Protection requirements are 5 times the weight of the liquid (water) filled pipe plus 250 lbs.

Consult the engineer of record.

WARRANTY: One year/defective material or workmanship – repair or replace.
See LH Dottie Catalog 30 for complete Warranty details.