



**Wall  
Pinning**  
Made Easy

**Stabilizes**  
Masonry  
Walls

**HELI-PIN™**  
HELICAL FACADE ANCHOR

**Powers**  
FASTENERS

# Heli-Pin

H E L I C A

## How it Works:

The Powers Heli-Pin is a stainless steel anchor tie that can effectively stabilize brick and masonry walls, as well as repair cracks in brick veneers. This helical shaped anchor creates a reliable mechanical connection between the masonry facades and their underlying structures elements. They can serve as reinforcement for ties that are corroded or missing, or can also be an integral part of new construction, by being embedded into the mortar joints. Heli-Pin performs in concrete and masonry as well as wood and steel studs.

One special feature of the Powers Heli-Pin is its installation with no exposed hardware. Using the setting tool, Heli-Pin is actually counter-sunk 1/2" below the outer surface, ensuring a clean, seamless look. A simple fill and patch is all it takes to render the results virtually imperceptible.

## Installation:

### 1. Drill

Drill pilot hole through facade material and into backup material.

### 2. Insert

Position the Heli-Pin in the installation tool, mount on SDS rotary hammer drill and insert into pilot hole.

### 3. Drive

Drive the pin until it is about 1/2" below the surface (setting tool nose should be flush with base material). Patch hole with the appropriate material.

# L F A C A D E A N C H O R



## Features:

- Virtually invisible repairs to masonry building facades
- Made of corrosion resistant stainless steel
- Helical shaped tie is both tension and compression resistant, and provides solid connection with the base material
- Variety of lengths and diameters, for a broad range of applications
- Simple installation with a rotary hammer and supplied setting tool
- Reinforced central core for high shaft strength

### Typical Heli-Pin™ Performance Characteristics

Material	Effective Min. Embed. in.	Ultimate Tension/Compression lbs.
		8mm
Mortar Joint	3	700
Brick (solid)	3-5/8	700
Brick (cavity)	3-5/8	1200
Hollow CMU 6" (normal wt. CMU)	1	800
Grouted CMU (lightweight block)	2	550
Concrete	1-1/4	1200
Wood Stud • 2x4 • 2x6	3 3	520 520
Metal Stud	16 gauge	300
Granite	1-1/8	500
Travertine	7/8	500
Limestone	3	600

This data reflects the results of lab, field and in-house results and provided as a guideline for the designer. Site testing is encouraged for verification of load carrying capacity.

### Typical Heli-Pin™ Masonry Bit Size

Facade Material	Heli-Pin™	Back-Up Material						
		Mortar Joint	Brick	Hollow CMU	Solid CMU	Concrete	Wood Stud	Metal Stud
Mortar Joint	8mm	3/16"	1/4"	3/16"	3/16"	1/4"	3/16"	3/16"
Brick	8mm	1/4"	1/4"	1/4"	1/4"	1/4"	5/16"	1/4"
Hollow CMU	8mm	3/16"	1/4"	3/16"	3/16"	1/4"	3/16"	3/16"
Solid CMU	8mm	3/16"	1/4"	3/16"	3/16"	1/4"	3/16"	3/16"
Precast Concrete	8mm	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
Stone	8mm	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"

### Heli-Pin™ Length Selection

Nominal Length	Minimum Drilled Hole Depth	Cavity Range	
		CMU (solid & hollow)	Concrete
6"	6-5/8"	1" to 0	1-1/2" to 0
8"	8-5/8"	3" to 0	3-1/2" to 1-1/2"
10"	10-5/8"	5" to 0	5-1/2" to 3-1/2"
12"	12-5/8"	7" to 0	7-1/2" to 5-1/2"



### HELI-PIN™ ORDERING INFORMATION

CAT. NO.	ITEM DESCRIPTION	STD. BOX	STD. CTN.
08341	Heli-Pin Anchor 8mm (5/16") x 6"	100	1000
08342	Heli-Pin Anchor 8mm (5/16") x 8"	100	1000
08343	Heli-Pin Anchor 8mm (5/16") x 10"	100	1000
08344	Heli-Pin Anchor 8mm (5/16") x 12"	50	500

## Heli-Pin Installation Tool



Essential for correct installation of Heli-Pins. The tool will automatically counter-sink the Heli-Pin, allowing for fast, efficient installation.

CAT. NO.	ITEM DESCRIPTION	STD. BOX	STD. CTN.
08345	Heli-Pin SDS Setting Tool	1	12

## POWERS FASTENERS **BRANCH INFORMATION**

### USA LOCATIONS

CITY	ADDRESS	CONTACT	PHONE	FAX
Atlanta	5405 Buford Hwy Suite 220 Norcross, GA 30071-3984	Robert Brito	678-966-0000	678-966-9242
Boston	177 North Falmouth Hwy, North Falmouth, MA 02556	Jack Armour	800-524-3244	914-576-6483
Charlotte	349 L West Tremont Avenue, Charlotte, NC 28203	Jim Karoly	704-375-5012	704-376-5517
Chicago	2472 Wisconsin Avenue, Downers Grove, IL 60515	Dan Gilligan	630-960-3156	630-960-3912
Dallas	see Houston	Joe Jackson	214-638-5043	713-228-1528
Denver	221 Wyandot Street Denver, CO 80223	Aaron Minnis	303-922-9202	303-922-9228
Detroit	21600 Wyoming Avenue, Oak Park, MI 48237	Glen Gaskill	248-543-8600	248-543-8601
Florida	9208 Palm River Road, Bldg. 3, Suite 305, Tampa, FL 33619	Michael Gaffigan	954-981-6955	954-965-0513
Houston	102 Sampson Houston, TX 77003	Jimmy Thompson	713-228-1524	713-228-1528
Indianapolis	15290 Stony Creek Way, Noblesville, IN 46060	Bill Trainor	317-773-1668	317-773-1690
Kansas City / St Louis	716 East 16th Avenue, North Kansas City, MO 64116	Don James, Jr.	816-472-5038	816-472-5040
Los Angeles	2761 Dow Avenue, Tustin, CA 92780	Jack Stewart	714-731-2500	714-731-2566
Maryland	6626 Virginia Manor Road, Beltsville, MD 20705	Gary Engleman	301-210-1430	301-210-1435
Milwaukee	12020 W. Feerick Street, Milwaukee, WI 53222	Donn Raduenz	414-466-2400	414-466-3993
Minneapolis	351 Wilson Street, NE Minneapolis, MN 55413	Rick Gruye	612-331-3756	612-331-3549
Nashville/Memphis	221 Blanton Avenue, Nashville, TN 37210	Ira Liss	615-248-2667	615-248-2676
New Orleans	317 West 24th Avenue, New Orleans, LA 70815	Cal Zenor	888-779-3667	225-928-5809
New York	2 Powers Lane, Brewster, NY 10509	John Partridge	914-235-6300	914-576-6483
Philadelphia	2 Powers Lane, Brewster, NY 10509	Jeff Walker	215-778-5143	914-576-6483
Phoenix	3602 E. Southern Ave, Suite 5 Phoenix, AZ 85040	Craig Hering	602-431-8024	602-431-8027
Pittsburgh	1360 Island Avenue, McKees Rocks, PA 15136	Bill Dugan	412-771-3010	412-771-9858
Rochester	410 Atlantic Avenue, Rochester, NY 14609	Mike Kolstad	585-288-2080	585-288-8732
Salt Lake City	2212 SW Temple #4, Salt Lake City, UT 84115	Bruce Burnett	801-466-3406	801-484-0731
San Francisco	28970 Hopkins Street, Suite D, Hayward, CA 94545	Frans Honig	510-293-1500	510-293-1505
Seattle	129 South Kenyon, Seattle, WA 98108	Darin Arnold/Jim Swink	206-762-5812	206-762-5817

### INTERNATIONAL LOCATIONS

CITY	ADDRESS	CONTACT	PHONE	FAX
Canada	7407 Bren Road Mississauga Ontario L4T 1H3	Mark Russell	905-673-7295	905-673-6490
British Columbia	63 Fawcett Road Coquitlam, V3K 6V2	Distributor	604-540-0200	604-540-0212
Manitoba	1810 Dublin Avenue Man. Winnipeg, R3H 0H3	Distributor	204-633-0064	204-694-1261
Quebec	For name of nearest distributor call Powers Industries Ltd at	Mark Russell	514-631-4216	514-631-2583
Europe	J. Van Stolbergstraat 11 1723LB Noord-Scharwoude Netherlands	Paul Geuvers	+31 226 357 670	+31 226 358 817
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Thailand	80/89 MOO4 Petchakasem Road, Bangkae Bangkok 10160	Chalee Surakavanichakorn	+661 826 5821	
Venezuela	Calle Sucre/Qta. Maudora, #1721 Entre Cec Acosta Y San Ignacio Chacao, Caracas	Distributor	58 212 264 1313	58 212 263 0219

Note: The information and data contained within this documentation was current as of October 2006. The information is subject to change and is updated as needed. Powers Fasteners, Inc. reserves the right to change designs and specifications without notice or liability for such changes. Please contact Powers Fasteners for the most current and up to date available information or refer to our website at [www.powers.com](http://www.powers.com)

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