

The Only
Concrete Screw
to Meet the

2009 IBC & IRC

for 4 Different
Base Materials!

CODE LISTED

ICC-ES ESR-3068
UNCRACKED CONCRETE

CODE LISTED

ICC-ES ESR-3042
WOOD-TO-WOOD

CODE LISTED

ICC-ES ESR-3213
CHEMICALLY TREATED LUMBER

TESTED TO

ICC-ES AC106
MASONRY (CMU)

NEW!
5/16" Diameter



Tapper+ / Tapper+ Xtreme Concrete Screws

Powers is a proud member of:



Powers
FASTENING INNOVATIONS

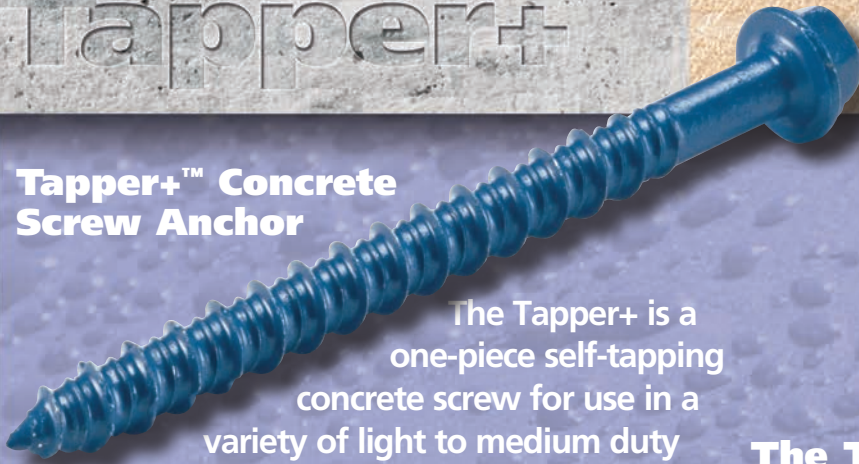


A domestic
company
headquartered
in Brewster, NY

Tapper+

Tapper+™ Concrete Screw Anchor

The Tapper+ is a one-piece self-tapping concrete screw for use in a variety of light to medium duty applications in base materials including concrete, masonry and wood. It features a corrosion resistant Perma-Seal® coating and an optimized thread design for lower installation torque. The screw also incorporates a gimlet drill point for wood base materials (no pre-drilling required). Tapper+ is available in a variety of head styles and colors to match the application.



The Tapper+ Advantage

Full-crown hex head design reduces chance of rounding off during installation.



Large chamfer under head virtually eliminates head breakage.

Perma-Seal® coating provides multiple layers of protection against corrosion.

The Top Performance of Tapper+ Sets a New Standard for Concrete Screws

Powers Tapper®+ vs. ITW Tapcon®

Powers Tapper®+	Characteristic	Symbol	Units	3/16" Diameter		1/4" Diameter		ITW Tapcon®
				Tapper+	Tapcon (ATT)	Tapper+	Tapcon (ATT)	
	Embedment depth	h_{nom}	in	1-3/4	2	1-3/4	2.1	
	Minimum hole depth	h_o	in	2	2-1/4	2	2.35	
	Minimum edge distance	c_{min}	in	1-3/4	2	1-3/4	2-1/2	
	Minimum spacing distance	s_{min}	in	1	3	2	4	
	Minimum concrete thickness	h_{min}	in	3-1/4	3-1/2	3-1/4	3-1/2	
	Critical edge distance	c_{cr}	in	3	4	3	4	
	Pullout strength uncracked concrete	$N_{p,uncr}$	lb	635	590	940	795	
	Category Number	1,2 or 3	-	1	1	1	1	
	Avg. ultimate load in CMU	$f_{u,CMU}$	lb	435	300	755	525	
	Avg. allowable load in red brick	$f_{a,brick}$	lb	380	N/A	605	N/A	
	Avg. ultimate load in wood	$f_{u,wood}$	lb	544	N/A	680	N/A	

Patent pending thread design reduces installation torque up to 25% versus the competition.

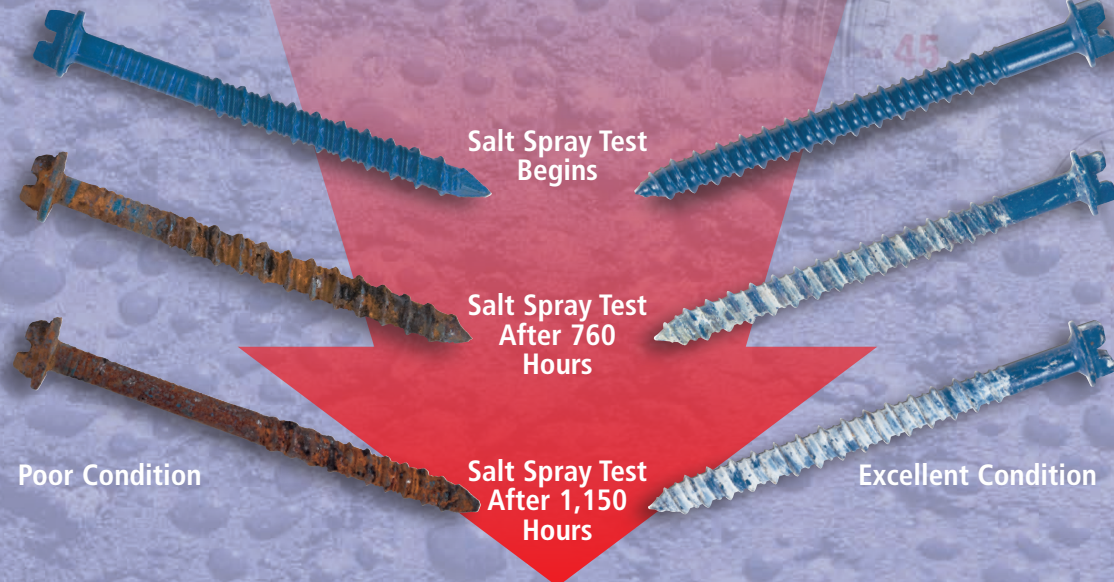
Gimlet point for self-drilling into wood base materials

Tapcon® is a registered trademark of Illinois Tool Works, Inc.

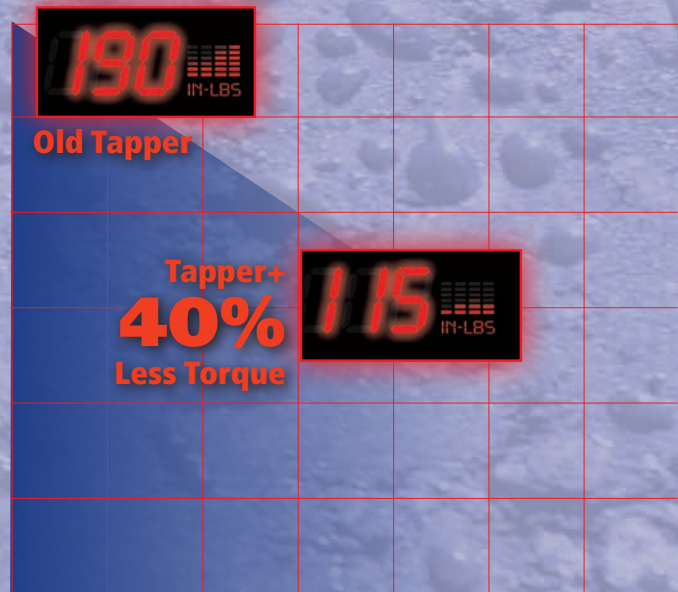
Corrosion Resistance Comparison

ITW Tapcon®
with Blue Climaseal

Powers Tapper+
with PermaSeal®



Torque Reduction Thread Design



	Tapper+	Old Tapper
Hard Concrete	Yes	No
Deeper Embedments	Yes	No
Wood Materials	Yes	No

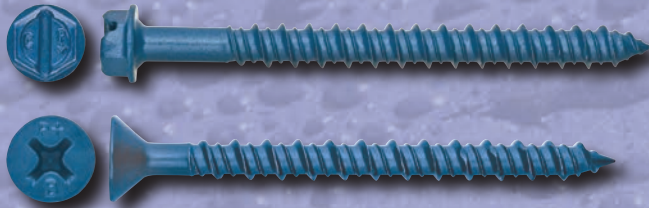
A Wide Range of Colors and Head Styles for Versatility

Colors				Head Styles			
Blue	White	Bronze	Silver	Hex Wash Head	Phillips Flat Head	Trim Phillips Flat Head	Hex Flange Washer Head



Tapper+

Tapper+ Ordering Information



Blue Perma-Seal Tapper+

Cat No.		Screw Size		Quantity	
HWH	PFH			Box	Carton
2700SD	2740SD	3/16" x 1-1/4"		100	500
2702SD	2742SD	3/16" x 1-3/4"		100	500
2704SD	2744SD	3/16" x 2-1/4"		100	500
2706SD	2746SD	3/16" x 2-3/4"		100	500
2708SD	2748SD	3/16" x 3-1/4"		100	500
2710SD	2750SD	3/16" x 3-3/4"		100	500
2712SD	2752SD	3/16" x 4"		100	500
2720SD	2760SD	1/4" x 1-1/4"		100	500
2722SD	2762SD	1/4" x 1-3/4"		100	500
2724SD	2764SD	1/4" x 2-1/4"		100	500
2726SD	2766SD	1/4" x 2-3/4"		100	500
2728SD	2768SD	1/4" x 3-1/4"		100	500
2730SD	2770SD	1/4" x 3-3/4"		100	500
2732SD	2772SD	1/4" x 4"		100	500
2734SD	2774SD	1/4" x 5"		100	100
	2776SD	1/4" x 6"		100	100

Cat No.		Screw Size	Quantity	Drill Bit References	
HWH	PFH			Straight	SDS Hex
9462SD	9476SD	3/16" x 1-1/4"	2000	2781	2793
9463SD	9477SD	3/16" x 1-3/4"	2000	2781	2793
9464SD	9478SD	3/16" x 2-1/4"	2000	2782	2793
9465SD	9479SD	3/16" x 2-3/4"	2000	2782	2793
9466SD	9480SD	3/16" x 3-1/4"	1000	2783	2794
9467SD	9481SD	3/16" x 3-3/4"	1000	2783	2794
9468SD	9482SD	3/16" x 4"	1000	2783	2794
9469SD	9483SD	1/4" x 1-1/4"	2000	2785	2796
9470SD	9484SD	1/4" x 1-3/4"	2000	2785	2796
9471SD	9485SD	1/4" x 2-1/4"	1000	2786	2796
9472SD	9486SD	1/4" x 2-3/4"	1000	2786	2796
9473SD	9487SD	1/4" x 3-1/4"	1000	2787	2797
9474SD	9488SD	1/4" x 3-3/4"	1000	2787	2797
9475SD	9489SD	1/4" x 4"	1000	2787	2797
	9490SD	1/4" x 5"	1000	2788	2797
	9491SD	1/4" x 6"	1000	2789	2797

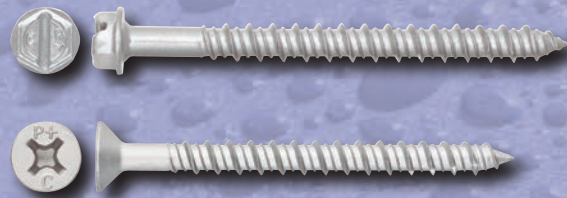
Installation Procedure



Using the proper diameter bit, drill a hole into the base material to a depth of at least 1/2" deeper than the embedment required. A Tapper+ drill bit must be used. Blow the hole clean of dust and other material.



Select the Tapper+ installation tool and drive socket to be used. Insert the head of the Tapper+ into the hex head socket or Phillips head driver. Set the drill motor to the "rotation only" mode to install.



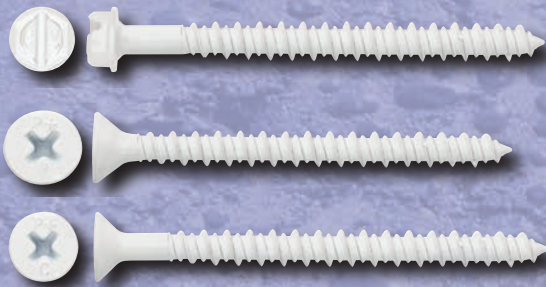
Silver Perma-Seal Tapper+

Standard Pack*				
Cat No.		Screw Size	Quantity	
HWH	PFH		Box	Carton
	2498SD	3/16" x 1-1/4"	100	500
	2500SD	3/16" x 1-3/4"	100	500
	2501SD	3/16" x 2-1/4"	100	500
	2502SD	3/16" x 2-3/4"	100	500
2486SD	2506SD	1/4" x 1-1/4"	100	500
2488SD	2507SD	1/4" x 1-3/4"	100	500
2490SD	2508SD	1/4" x 2-1/4"	100	500
2492SD	2509SD	1/4" x 2-3/4"	100	500
2494SD	2510SD	1/4" x 3-1/4"	100	500
2495SD		1/4" x 3-3/4"	100	500



Bronze Perma-Seal Tapper

Standard Pack*				
Cat No.		Screw Size	Quantity	
PFH	FHH		Box	Carton
	9977SD	1/4" x 1-3/4"	100	500
9976SD	9978SD	1/4" x 2-1/4"	100	500



White Perma-Seal Tapper+

Standard Pack*					
Cat No.			Screw Size	Quantity	
HWH	PFH	TFH		Box	Carton
	2442SD		3/16" x 1-3/4"	100	500
	2444SD		3/16" x 2-1/4"	100	500
	2446SD		3/16" x 2-3/4"	100	500
2408SD			3/16" x 3-1/4"	100	500
	2450SD		3/16" x 3-3/4"	100	500
2422SD	2462SD		1/4" x 1-3/4"	100	500
2424SD	2464SD		1/4" x 2-1/4"	100	500
	2466SD	8712SD	1/4" x 2-3/4"	100	500
2428SD	2468SD	8713SD	1/4" x 3-1/4"	100	500
	2470SD		1/4" x 3-3/4"	100	500
	2472SD		1/4" x 4"	100	500
Master Pack**					
Cat No.		Screw Size	Quantity	Drill Bit Reference	
HWH	PFH			Straight	SDS Hex
	9192SD	3/16" x 1-3/4"	2000	2781	2793
	9194SD	3/16" x 2-3/4"	2000	2782	2793
9924SD		1/4" x 1-3/4"	2000	2785	2796
9925SD		1/4" x 2-1/4"	1000	2786	2796
	9955SD	1/4" x 3-1/4"	1000	2787	2797

Carbide Drill Bits for Perma-Seal Tapper+

Straight Shank				
Cat. No.	Size	Usable Length	Std. Tube	Wt./ 10
2781SD	5/32" x 3-1/2"	2	10	1/4
2782SD	5/32" x 4-1/2"	3	10	1/4
2783SD	5/32" x 5-1/2"	4	10	1/4
2785SD	3/16" x 3-1/2"	2	10	1/4
2786SD	3/16" x 4-1/2"	3	10	1/4
2787SD	3/16" x 5-1/2"	4	10	1/2
2788SD	3/16" x 6-1/2"	5	10	1/2
2789SD	3/16" x 7-1/2"	6	10	1/2

Carbide Drill Bits for Perma-Seal Tapper+ Hex Shank SDS-Plus

Cat. No.	Size	Usable Length	Std. Tube	Wt./ 10
2793SD	5/32" x 5"	3	1	1
2794SD	5/32" x 7"	5	1	1
2796SD	3/16" x 5"	3	1	1
2797SD	3/16" x 7"	5	1	1



Installation Tools for 3/16" and 1/4" Tapper+

Cat. No.	Description	Max Screw Length	Max Bit Length	Std. Box	Wt./ Each
2791	Combo Tapper 1000 Tool	4"	5-1/2"	1	3/4
2792	Condrive®* 2000	2-3/4"	4-1/2"	1	3/4
2795	1000 SDS Extension (8")	6"	7-1/2"	1	1/2
5865	Tapper 3000 Tool	4"	5-1/2"	1	3/4
5867	3000 Extension (8")		7-1/2"	1	1/2

* CONDRIVE® is a Registered Trademark of Illinois Tool Works. This tool cannot be used with SDS Drill Bits or PFH screws.



Place the point of the Tapper+ through the fixture into the pre-drilled hole and drive the anchor in one steady continuous motion until it is fully seated at the proper embedment. The driver will automatically disengage from the head of the Tapper+.

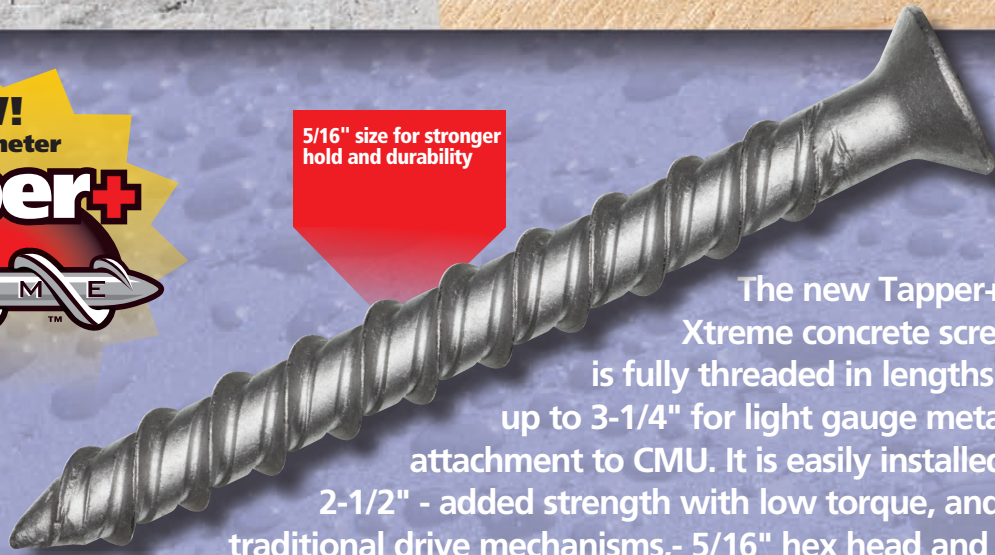
Note: Do not select a length that will result in an embedment into the base material which is greater than 2". Most concrete screw anchors cannot be properly driven to a depth of more than 2", especially in denser base materials.

Tapper+ Xtreme

NEW!
5/16" Diameter



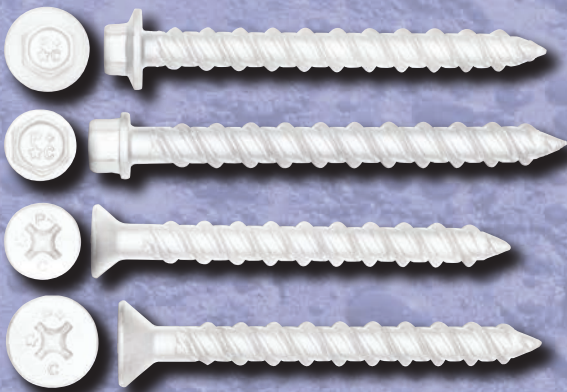
5/16" size for stronger hold and durability



The new Tapper+ Xtreme concrete screw is fully threaded in lengths up to 3-1/4" for light gauge metal attachment to CMU. It is easily installed 2-1/2" - added strength with low torque, and traditional drive mechanisms,- 5/16" hex head and #3 Phillips. Available in a choice of head styles including hex flange head, trim hex head, flat and trim flat. Tapper+ Xtreme has been tested to meet ICC-ES Standards for uncracked concrete.

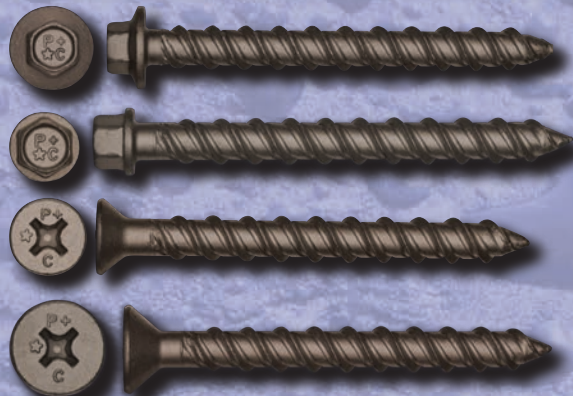


Perfect for exterior and interior applications



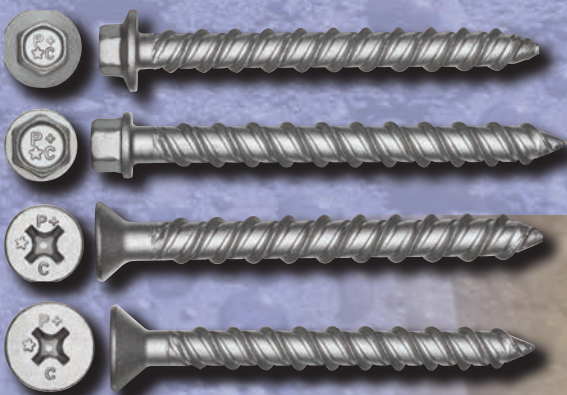
White Perma-Seal Tapper+ Xtreme

Standard Pack*						
Cat No.				Screw Size	Quantity	
HWH	THH	PFH	TFH		Box	Carton
	2330SD		2340SD	5/16" x 1-3/4"	100	500
	2332SD	2312SD	2342SD	5/16" x 2-1/4"	100	500
	2334SD	2314SD	2344SD	5/16" x 2-3/4"	100	500
	2316SD	2316SD	2346SD	5/16" x 3-1/4"	100	500
	2318SD	2318SD	2348SD	5/16" x 4"	100	500
		2320SD	2350SD	5/16" x 5"	100	500
		2322SD		5/16" x 6"	100	500



Bronze Perma-Seal Tapper+ Xtreme

Standard Pack*						
Cat No.				Screw Size	Quantity	
HWH	THH	PFH	TFH		Box	Carton
	2630SD		2640SD	5/16" x 1-3/4"	100	500
	2632SD	2612SD	2642SD	5/16" x 2-1/4"	100	500
	2634SD	2614SD	2644SD	5/16" x 2-3/4"	100	500
	2636SD	2616SD	2646SD	5/16" x 3-1/4"	100	500
	2638SD	2618SD	2648SD	5/16" x 4"	100	500
		2620SD	2650SD	5/16" x 5"	100	500
		2622SD		5/16" x 6"	100	500



Silver Perma-Seal Tapper+ Xtreme

Standard Pack*						
Cat No.				Screw Size	Quantity	
HWH	THH	PFH	TFH		Box	Carton
	2200SD	2230SD	2240SD	5/16" x 1-3/4"	100	500
	2202SD	2232SD	2242SD	5/16" x 2-1/4"	100	500
	2204SD	2234SD	2244SD	5/16" x 2-3/4"	100	500
	2206SD	2236SD	2246SD	5/16" x 3-1/4"	100	500
	2208SD	2238SD	2248SD	5/16" x 4"	100	500
	2210SD		2220SD	5/16" x 5"	100	500
			2222SD	5/16" x 6"	100	500

Installation Tools for Tapper+ Xtreme

Cat. No.	Description	Std. Box	Wt./ Each
2291SD	Tapper+ Xtreme Installation Kit includes: #3 Phillips Impact Power Bit 5/16" Impact Ready Nut Driver 14" x 6" SDS+ Tapper+ Wedge Bit 14" x 8" Wedge Bit SDS+	1	3/4



Great for window and door jambs!

POWERS FASTENERS BRANCH INFORMATION

USA LOCATIONS

CITY	ADDRESS	CONTACT	PHONE	FAX
Alabama	5405 Buford Hwy Suite 410 Norcross, GA 30071-3984	Jeff Hatchett	205-520-6044	678-966-9242
Atlanta	5405 Buford Hwy Suite 410 Norcross, GA 30071-3984	Ryan Raica	678-966-0000	678-966-9242
Boston	2 Powers Lane, Brewster, NY 10509	Jack Armour	800-524-3244	914-576-6483
Charlotte	349 L West Tremont Avenue, Charlotte, NC 28203	Bob Aurisy	704-375-5012	704-376-5517
Chicago	2472 Wisconsin Avenue, Downers Grove, IL 60515	Dan Gilligan	630-960-3156	630-960-3912
Dallas	10625 King Williams Drive, Dallas, TX 75220	Matt Henderson	972-506-9258	972-506-9290
Denver	2475 West Second Street #35, Denver, CO 80223	Jared Hemmert	303-922-9202	303-922-9228
Detroit	21600 Wyoming Avenue, Oak Park, MI 48237	Glen Gaskill	248-543-8600	248-543-8601
Florida	2412 Lynx Lane, Orlando, FL 32804	John Christy	813-626-4500	813-626-4545
Houston	13833 North Promenade, Suite 100, Stafford, TX 77477	Vaughn Eshelman	281-491-0351	281-491-0367
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	Jason Shelburne	714-731-2500	714-731-2566
Maryland	3137-B Pency Drive, Landover, MD 20785	Chris Van Syckle	301-773-1722	301-341-5119
Milwaukee	12020 W. Feerick Street, Milwaukee, WI 53222	Donn Raduenz	414-466-2400	414-466-3993
Minneapolis	351 Wilson Street, NE Minneapolis, MN 55413	Josh Nelson	612-644-3047	612-331-3549
Nashville/Memphis	221 Blanton Avenue, Nashville, TN 37210	Jamie Utley	615-248-2667	615-248-2676
New Orleans	102 Sampson Street, Houston, TX 77003	Cal Zenor	713-228-1524	713-228-1528
New York	2 Powers Lane, Brewster, NY 10509	John Partridge	914-235-6300	914-576-6483
Philadelphia	2 Powers Lane, Brewster, NY 10509	Greg Stephenson	800-524-3244	914-576-6483
Phoenix	3602 E. Southern Ave, Suite 5 Phoenix, AZ 85004	Craig Hering	602-431-8024	602-431-8027
Pittsburgh	1360 Island Avenue, McKees Rocks, PA 15136	Bill Dugan	412-771-3010	412-771-9858
Portland	129 South Kenyon, Seattle, WA 98108	Jim Swink	360-608-6845	206-762-5817
Rochester	2 Powers Lane, Brewster, NY 10509	Mark Harper	585-265-4464	914-576-6483
Salt Lake City	2212 SW Temple #20, Salt Lake City, UT 84115	Don Manning	801-466-9428	801-466-3083
San Francisco	28970 Hopkins Street, Suite B+C, Hayward, CA 94545	John O'Brien	510-293-1500	510-293-1505
Seattle	18808 142nd Ave NE, Suite 4A, Woodinville, WA 98072	Darin Arnold	206-762-5812	206-762-5817

INTERNATIONAL LOCATIONS

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India	D-112, Twin Arcade, Military Rd., Marol, Andheri, East Mumbai, 400059	Ajay Kulkarni	91-22-401591304	
Manitoba	1810 Dublin Avenue Man. Winnipeg, R3H 0H3	Distributor	204-633-0064	204-694-1261
New Zealand	PO Box 302 076 North Harbour Auckland	Claye Sesto	+64 9415 2425	+64 9415 2627
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LATIN & CARIBBEAN DISTRIBUTION

COUNTRY/REGION	ADDRESS	CONTACT	PHONE	FAX
Brazil	HARD, Rua Dr. Humberto Pinheiro Viera, 150 Lote B, 1 B Distrito Industrial, Joinville, Brazil		55-47-40097209	55-47-40097217
Colombia	Electrogeno, S.A., Carrera 52 #71c-38, Bogota, Colombia		(57) 1 6600 9436	
Costa Rica	Electro Mechanics Supply, La Uruca Contiguo Banco Ntnl., De Costa Rica Condominio, Horizontal Bodega #9, San Jose, Costa Rica		(506) 2233-2595	
Dominican Republic	Calle Estancia Nueva #17 E Esquina Cul-De-Sac 9, San Geronimo, Santo Domingo	Rodfor Team	809-224-5615	809-472-8640
Ecuador	Acero Comercial Ecuatoriano S.A., Av. La Prensa N45-14 y Telégrafo 1 – Quito Av. Juan Tanca Marengo Km. 1.7 – Guayaquil	infofoio@acerocomercial.com infofyge@acerocomercial.com	(593-2) 2454 333 (593-4) 2683 060	(593-2) 2454 455 (593-4) 2683 059
Guatemala	Tecnofijaciones, 6 Avenue 8-56 Zona 9, Zona 9, Guatemala	Oscar Lucas Penagos	502-233-4-3478	
Panama	Centro-Industrial, Via Cincuentenario, No. 7910, Ciudad Panama, Panama		(507) 302-8022	
Peru	Powers Peruana SAC, Av. Santa Catalina, 555 La Victoria, Lima 13, Peru (www.powersperuana.com)	Martin Vasquez	(011) 511 265 8500	(011) 511 330 0909
Venezuela	Calle Sucre/Qta. Maudora, #1721 Entre Cec Acosta Y San Ignacio Chacao, Caracas	Distributor	58 212 264 1313	58 212 263 0219
Trinidad - Tobago	Ft. Farfan, 3-5 Ibis Avenue, Ibis Acres, San Juan	Derek Cumming	(868) 674-7896	

Note: The information and data contained within this documentation was current as of October 2012. The information is for marketing purposes only and is subject to change and updates 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

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