

Steel to Concrete • Steel to Steel • Wood to Concrete • Wood to Steel

Trak-It® Gas Fastening Systems:

**The Tool That Fits  
All Applications**

**TRAK-IT®**  
Gas Fastening Systems



C3

C3ST

C4

C4EX

C4CZ

Powers is a proud member of:



**Powers**  
FASTENERS



A domestic  
company  
headquartered  
in Brewster, NY

# TRAK-IT C4CZ

Load Single Pin

## The All New Trak-It® C4CZ:

### A Single Shot Powerhouse

Powers' Trak-It® C4CZ is the most powerful tool on the market. A great tool for converting powder applications into gas.

Shoot Standard  
.300 and 8mm  
Powder Pins  
with Gas



2x Wood  
to Concrete



2x Wood  
to Steel



Steel to  
Concrete





Uses Familiar Gas Fuel Cells



**TRAK-IT C4 CZ PINS & WASHERS**

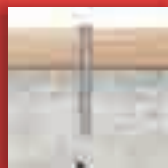
CAT. NO.	DESCRIPTION	SHANK DIAMETER	STD. BOX	STD. CTN.
50012	1/2" (k) 0.300" Head Pin	0.145	100	5000
50016	5/8" (k) 0.300" Head Pin	0.145	100	5000
50022	3/4" 0.300" Head Pin	0.145	100	5000
50023	3/4" Black 0.300" Head Pin	0.145	100	5000
50026	1" 0.300" Head Pin	0.145	100	5000
50032	1-1/4" 0.300" Head Pin	0.145	100	1000
50034	1-1/2" 0.300" Head Pin	0.145	100	1000
50038	2" 0.300" Head Pin	0.145	100	1000
50040	2-1/4" 0.300" Head Pin	0.145	100	1000
50090	1" 0.300" Head Pin w. 7/8" Washer	0.145	100	1000
50092	1-1/4" 0.300" Head Pin w. 7/8" Washer	0.145	100	1000
50094	1-1/2" 0.300" Head Pin w. 7/8" Washer	0.145	100	1000
50096	2" 0.300" Head Pin w. 7/8" Washer	0.145	100	1000
50108	1" 0.300" Head Pin w. 1" Washer	0.145	100	1000
50110	1-1/4" 0.300" Head Pin w. 1" Washer	0.145	100	1000
50112	2" 0.300" Head Pin w. 1" Washer	0.145	100	1000
50114	2-1/2" 0.300" Head Pin w. 1" Washer	0.145	100	1000
50116	3" 0.300" Head Pin w. 1" Washer	0.145	100	1000
50180	5/8" (k) 8mm Head Pin	0.145	100	5000
50182	3/4" (k) 8mm Head Pin	0.145	100	5000
50184	7/8" 8mm Head Pin	0.145	100	5000
50186	1" 8mm Head Pin	0.145	100	5000
50188	1-1/4" 8mm Head Pin	0.145	100	1000
50190	1-1/2" 8mm Head Pin	0.145	100	1000
50192	1-5/8" 8mm Head	0.145	100	1000
50194	1-7/8" 8mm Head Pin	0.145	100	1000
50196	2" 8mm Head Pin	0.145	100	1000
50220	1" 8mm Head Pin w. Washer	0.145	100	1000
50222	1-1/4" 8mm Head Pin w. Washer	0.145	100	1000
50224	1-1/2" 8mm Head Pin w. Washer	0.145	100	1000
50226	2" 8mm Head Pin w. Washer	0.145	100	1000



Steel to Steel



Plywood to Steel



Plywood to Concrete



Perimeter Steel to Concrete

# TRAK-IT C4EX

**More Power**  
New combustion system engineered for more power

## The All New Trak-It® C4EX:

# Longer Pins Mean Stronger Fastening

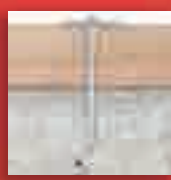
Powers' Trak-It® C4EX addresses the need for more power to drive longer pins, for more strength. The new combustion design delivers an astounding 150 Joules of energy, and can drive pins up to 2-9/16" in length, and shank diameters up to .145". Great for attaching wood to steel and concrete.



Uses Familiar Green Valve Fuel Cell



In addition to longer pin applications, Trak-It® C4EX also handles the following:



**2x Wood to Concrete**  
#55147

2-9/16" Pin w/ Washer

(pg.8)



**2x Wood to Steel**  
#55171

2" Step Shank Pin Knurled

(pg.9)



**Steel to Concrete**  
#55132

1" Pin

(pg.10)



**Extra Strength  
to Drive  
Longer Pins**

The powerful Trak-It® C4EX has all the features of C4, plus additional power.

**C4EX Part #55127**

**C4EX PIN SPECIFICATIONS**

PART #	DESCRIPTION	APPLICATIONS
55113	.102 x 1"	Light Gauge Metal Track to Concrete
55116	.102 x 1-1/4"	Fastening to Concrete or Block
55118	.102 x 1-1/2"	Fastening to Concrete or Block
55124	.102 x 2-1/4"	Fastening to Concrete or Block
55128	.120 x 2-1/2"	2x Wood to Concrete or Block 2" Foam Board to Concrete
55132	.145 x 1"	Light Gauge Metal Track to Concrete 1/4" & 3/8" Plywood to Concrete & Block Rubber Membrane to Concrete or Block
55134	.145/.102 x 1-1/4" (step)	Fastening to Concrete or Block
55136	.145/.102 x 1-1/2" (step)	Fastening to Concrete or Block
55138	.145/.102 x 2-3/8" (step)	2x Wood to Concrete
55139	.145/.102 x 2-1/4" (step)	Fastening to Concrete or Block
55140	.145/.102 x 2-1/2" (step)	2x Wood to Concrete or Block Including 2" Foam Board to Concrete
55145	.137 x 2-9/16" (taper)	2x Wood Sill Plate to Concrete
55167	.145/.125 x 1" (step) Steel ACQ	Knurled 1/2" or 5/8" Plywood to Steel
55169	.145/.125 x 1-1/4" (step) Steel ACQ	Knurled 3/4" Plywood to Steel 1" Furring Strip to Steel
55171	.145/.125 x 2" (step) Steel ACQ	Knurled 2 x 4" to Steel or Hard Concrete
55172	.145/.125 x 1" (step) Steel Zinc Coated	Knurled 1/2" or 5/8" Plywood to Steel
55173	.145/.125 x 1-1/4" (step) Steel Zinc Coated	Knurled 3/4" Plywood to Steel 1" Furring Strip to Steel
55174	.145/.125 x 2" (step) Steel Zinc Coated	Wood 2 x 4" to Steel or Hard Concrete



**Steel to Steel #55161**

.500 Pin Knurled

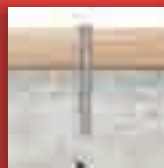
(pg.11)



**Plywood to Steel #55167**

1" Step Shank Pin Knurled

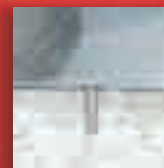
(pg.12)



**Plywood to Concrete #55124**

2-1/4" Pin

(pg.13)



**Perimeter Steel to Concrete #55134**

1-1/4" Pin

(pg.13)

# TRAK-IT C4

## Steel Track to Steel

Trak-It® C4 is ideal for steel to steel applications that demand tool portability

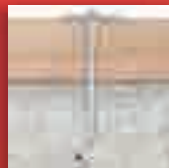
## The Revolutionary C4:

## Versatile!

Powers' Trak-It® C4 has redefined high volume gas fastening for steel and wood to both steel and concrete. This completely portable system eliminates the need for compressors and hoses, which can be significant dangers on the jobsite. Speed, power and rugged durability are the hallmarks of this revolutionary fastening product line.

## Steel Track to Concrete

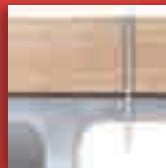
Trak-It® C4 is a high volume production tool in steel track to concrete applications. Just load the 42 pin track and go.



**2x Wood to Concrete #55147**

2-9/16" Pin w/ Washer

(pg.8)



**2x Wood to Steel #55171**

2" Step Shank Pin Knurled

(pg.9)



**Steel to Concrete #55132**

1" Pin

(pg.10)





C4 Part #55112

### Wood to Concrete

The powerful Trak-It® C4 can handle wood to concrete applications because of 130 Joules of power, making it one of the most powerful gas tools available.

### Wood to Steel

Trak-It® C4 tackles wood to steel applications, even overhead.



**Steel to Steel**  
#55161

.500 Pin Knurled

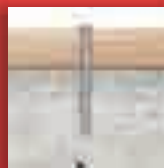
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**Plywood to Steel**  
#55167

1" Step Shank Pin Knurled

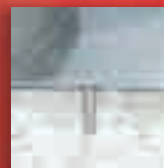
(pg.12)



**Plywood to Concrete**  
#55124

2-1/4" Pin

(pg.13)



**Perimeter Steel to Concrete**  
#55134

1-1/4" Pin

(pg.13)

**TRAK-IT C4 PINS & WASHERS**

CAT. NO.	DESCRIPTION	SHANK DIAMETER	STD. BOX	STD. CTN.
55128	2-1/2" Pin – 2x Wood to Concrete or Block – 2" Foam Board Insulation	0.102	800	4000
55138	2-3/8" Step Shank Pin – 2x Wood to Concrete	0.145	800	4000
55140	2-1/2" Step Shank Pin – 2x Wood to Concrete Including Forming – 2" Foam Board Insulation	0.145	800	4000
55145	2-9/16" Pin – 2x Wood to Concrete	0.137	800	4000
55147	2-9/16" Pin with Washer (See below) – 2x Wood Sill Plate to Concrete	0.137	800	1600
55149	1" Square Stick-E Washer – Washer for Concrete, Block or Steel	–	800	–

Each box of pins come packaged with one fuel cell. (Does not apply to Part #55146). #55147 Sill Plate Pins also come packaged with Stick-E washers.



55128



55138



55140



55145



55147



55149

# 2x Wood to Concrete

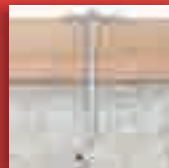


**TYPICAL APPLICATIONS**

- 2x Wood to Concrete
- 2x Wood to Concrete including Forming
- 2" Foam Board Insulation to Steel & Concrete
- 2x Wood Sill Plate to Concrete

**APPROVALS & LISTINGS:**

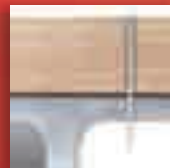
**ES** International Code Council, Evaluation Services (ICC-ES) ESR-2249



**2x Wood to Concrete #55147**

2-9/16" Pin w/ Washer

(pg.8)



**2x Wood to Steel #55171**

2" Step Shank Pin Knurled

(pg.9)



**Steel to Concrete #55132**

1" Pin

(pg.10)





**INSTALLATION**



Load Stick-E Washer & Pin



Engage Nose of Trak-It® Tool



Pull Trigger to Anchor Pin

**2x Wood to Steel**

**TYPICAL APPLICATIONS**

- 2x Wood to Steel
- 1" Stick-E Washer Also Available

**TRAK-IT C4 PINS & WASHERS**

CAT. NO.	DESCRIPTION	SHANK DIAMETER	STD. BOX	STD. CTN.
55171	2" Step Shank Pin, Knurled – 2x Wood to Steel	0.145	800	4000
55149	1" Square Stick-E Washer – Washer for Concrete, Block or Steel	0.137	800	4000

Each box of pins come packaged with one fuel cell.



**55171**



**55149**



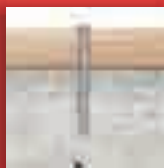
**Steel to Steel #55161**

.500 Pin Knurled  
**(pg.11)**



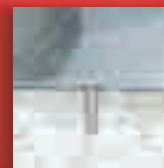
**Plywood to Steel #55167**

1" Step Shank Pin Knurled  
**(pg.12)**



**Plywood to Concrete #55124**

2-1/4" Pin  
**(pg.13)**



**Perimeter Steel to Concrete #55134**

1-1/4" Pin  
**(pg.13)**

**TRAK-IT C4 PINS**

CAT. NO.	DESCRIPTION	SHANK DIAMETER	STD. BOX	STD. CTN.
55111	3/4" Pin – Metal Track to Concrete	0.102	800	4000
55113	1" Pin – Light Gauge Metal Track to Concrete	0.102	800	4000
55130	3/4" Pin – Metal Track to Concrete	0.145	800	4000
55132	1" Pin – Light Gauge Metal Track to Concrete or Block – 1/4" & 3/8" Plywood to Concrete or Block, Rubber Membrane to Concrete or Block	0.145	800	4000

Each box of pins come packaged with one fuel cell.



55111

55113



55130

55132

**TYPICAL APPLICATIONS**

- Metal Track to Concrete
- Light Gauge Track to Concrete or Block

**APPROVALS & LISTINGS:**

**ES** International Code Council, Evaluation Services  
(ICC-ES) ESR-2249 and ESR-2036

# Steel Track to Concrete



**COLOR CODED**



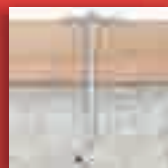
Green Ring on Gas



Green Sleeves on Pins



Green Tab Inside Fuel Chamber



**2x Wood to Concrete #55147**

2-9/16" Pin w/ Washer

(pg.8)



**2x Wood to Steel #55171**

2" Step Shank Pin Knurled

(pg.9)



**Steel to Concrete #55132**

1" Pin

(pg.10)





# Steel Track to Steel

## TYPICAL APPLICATIONS

- Metal Track to Steel or Hard Concrete
- Metal Straps to Steel or Hard Concrete

TRAK-IT C4 PINS				
CAT. NO.	DESCRIPTION	SHANK DIAMETER	STD. BOX	STD. CTN.
55161	.500 Pin, Knurled – Metal Track to Steel or Hard Concrete	0.120	800	4000
55163	.680 Pin, Knurled – Metal Track to Steel or Hard Concrete – Metal Straps to Steel or Hard Concrete	0.102	800	4000

Each box of pins come packaged with one fuel cell.



## APPROVALS & LISTINGS:

**ES** International Code Council, Evaluation Services  
(ICC-ES) ESR-2036

**Steel to Steel #55161**  
.500 Pin Knurled  
(pg.11)

**Plywood to Steel #55167**  
1" Step Shank Pin Knurled  
(pg.12)

**Plywood to Concrete #55124**  
2-1/4" Pin  
(pg.13)

**Perimeter Steel to Concrete #55134**  
1-1/4" Pin  
(pg.13)

**TRAK-IT C4 PINS**

CAT. NO.	DESCRIPTION	SHANK DIAMETER	STD. BOX	STD. CTN.
55165	.730 Pin, Knurled - 1/4" Plywood to Steel of Hard Concrete	0.120	800	4000
55167	1" Step Shank Pin, Knurled (ACQ) - 1/2" or 5/8" Plywood to Steel	0.145	800	4000
55169	1-1/4" Step Shank Pin, Knurled (ACQ) - 3/4" Plywood to Steel - 1" Furring Strip to Steel	0.145	800	4000

Each box of pins come packaged with one fuel cell.



**55165**



**55167**



**55169**

**APPROVALS & LISTINGS:**

**ES** International Code Council, Evaluation Services  
(ICC-ES) ESR-2249

**Plywood to Steel**

**TYPICAL APPLICATIONS**

- Plywood to Steel or Hard Concrete
- Furring Strips to Steel



**2x Wood to Concrete #55147**

2-9/16" Pin w/ Washer

(pg.8)



**2x Wood to Steel #55171**

2" Step Shank Pin Knurled

(pg.9)



**Steel to Concrete #55132**

1" Pin

(pg.10)





**TYPICAL APPLICATIONS**

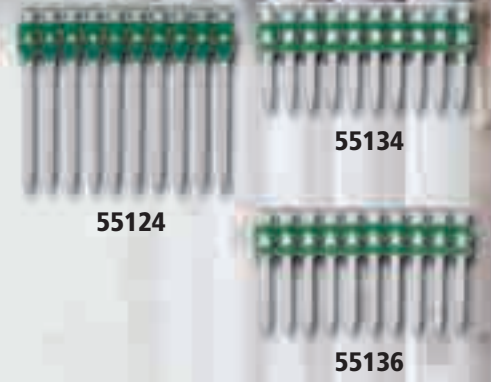
- Plywood to Concrete or Block
- Furring Strips to Concrete or Block

**Plywood to Concrete**

**TRAK-IT C4 PINS**

CAT. NO.	DESCRIPTION	SHANK DIAMETER	STD. BOX	STD. CTN.
55124	2-1/4" Pin – 2x Wood to Concrete – 1" Furring Strip to Concrete or Block	0.102	800	4000
55134	1-1/4" Step Shank Pin – Metal Track to Concrete for Perimeter – 1/2" Wood to Concrete	0.145	800	4000
55136	1-1/2" Step Shank Pin – 1/2" or 5/8" Plywood to Concrete or Block – 1" Furring Strip to Concrete or Block	0.145	800	4000

Each box of pins come packaged with one fuel cell.



**APPROVALS & LISTINGS:**

**ES** International Code Council, Evaluation Services (ICC-ES) ESR-2249



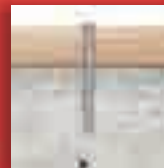
**Steel to Steel #55161**

.500 Pin Knurled  
(pg.11)



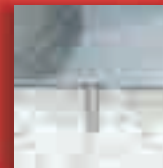
**Plywood to Steel #55167**

1" Step Shank Pin Knurled  
(pg.12)



**Plywood to Concrete #55124**

2-1/4" Pin  
(pg.13)



**Perimeter Steel to Concrete #55134**

1-1/4" Pin  
(pg.13)

# Perimeter Track to Concrete/Steel

55161

55163

55132

## TRAK-IT C4 PINS

CAT. NO.	DESCRIPTION	SHANK DIAMETER	STD. BOX	STD. CTN.
55161	.500 Pin, Knurled – Metal Track to Steel or Hard Concrete	0.120	800	4000
55163	.680 Pin, Knurled – Metal Track to Steel or Hard Concrete – Metal Straps to Steel or Hard Concrete	0.102	800	4000
55132	.145 Pin, 1-1/4" Perimeter Steel to Concrete	.145	800	4000

Each box of pins come packaged with one fuel cell.

## TYPICAL APPLICATIONS

- Perimeter Track to Concrete or Steel

## APPROVALS & LISTINGS:

**ES** International Code Council, Evaluation Services  
(ICC-ES) ESR-2249

## Trak-It® C4 Tool & Gas



55112



55115

## TRAK-IT C4 TOOL

### TOOL SPECIFICATIONS

Tool Body	Precision Moulded Aluminum and Plastic
Tool Length	13"
Tool Weight	7 lbs.
Pin Length	2-9/16" Total Length
Pin Capacity	42 pins
Approximate Shots per Fuel Cell	800 pins
Approximate Shots per Battery Charge	5,700 pins

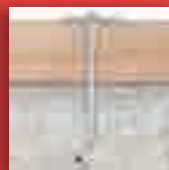
CAT. NO.	DESCRIPTION	STD. BOX	STD. CTN.
55112	Trak-It C4	1	1

Tool comes with case, charger and battery.

## TRAK-IT C4 FUEL CELL

CAT. NO.	DESCRIPTION	STD. BOX	STD. CTN.
55115	Trak-It C4 Fuel Cell	20	80

Works in temperatures down to 10° F.



**2x Wood to Concrete #55147**

2-9/16" Pin w/ Washer

(pg.8)



**2x Wood to Steel #55171**

2" Step Shank Pin Knurled

(pg.9)



**Steel to Concrete #55132**

1" Pin

(pg.10)



**C4 PERFORMANCE DATA**

Allowable Load Capacities for Trak-It C4 Fasteners Installed in ASTM A36 Steel (minimum  $f_u = 58$  ksi)

Fastener Type	Shank Diameter in.	Minimum Spacing in.	Minimum Edge Distance in.	Minimum Steel Member Thickness in.	Tension lbs.	Shear lbs.
1/2" Steel	0.120	1	1/2	1/4	245	100
.680 Steel Pin	0.120	1	1/2	1/4	270	170
.730 Steel Pin	0.120	1	1/2	1/4	330	235
1" Steel Pin	0.145	1	1/2	1/4	360	360
1-1/4" Steel Pin	0.145	1	1/2	1/4	390	390
2" Steel Pin	0.145	1	1/2	1/4	240	280
2" Steel Pin (ACQ)	0.145	1	1/2	1/4	170	280

Allowable Load Capacities for Trak-It C4 Fasteners Installed in Normal Weight Concrete

Shank Diameter in.	Minimum Embedment in.	Minimum Spacing in.	Minimum Edge Distance in.	Minimum Concrete Compressive Strength			
				$f'c = 2,500$ psi		$f'c = 3,000$ psi	
				Tension lbs.	Shear lbs.	Tension lbs.	Shear lbs.
0.145 Straight Pin	3/4	4	3	65	105	70	110
	7/8	4	3	125	105	135	110
0.145 Step Pin	3/4	4	3	80	220	90	240
	1	4	3	130	245	140	270
0.137 Taper Pin	3/4	4	3	80	90	85	100
	1	4	3	90	70	100	80

Allowable Load Capacities for Trak-It C4 Fasteners Installed in Structural Sand-Lightweight Concrete and Through Steel Deck in to Structural Sand-Lightweight Concrete

Shank Diameter in.	Minimum Embedment in.	Minimum Spacing in.	Minimum Edge Distance in.	Installation Location	Minimum Concrete Compressive Strength			
					$f'c = 2,500$ psi		$f'c = 3,000$ psi	
					Tension lbs.	Shear lbs.	Tension lbs.	Shear lbs.
0.145 Straight Pin	3/4	4	3	Directly Into Concrete	110	150	120	165
			1-1/8	Through Lower Flute <sup>1</sup>	70	180	80	200
			1-1/8	Through Upper Flute	100	205	110	220

<sup>1</sup> Shear loads may be applied in any direction.

**APPROVALS & LISTINGS:**

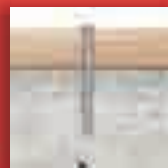
**ES** International Code Council, Evaluation Services  
(ICC-ES) ESR-2249 and ESR-2036



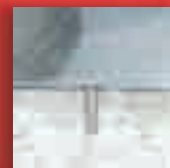
**Steel to Steel #55161**  
.500 Pin Knurled  
(pg.11)



**Plywood to Steel #55167**  
1" Step Shank Pin Knurled  
(pg.12)



**Plywood to Concrete #55124**  
2-1/4" Pin  
(pg.13)



**Perimeter Steel to Concrete #55134**  
1-1/4" Pin  
(pg.13)



# TRAK-IT C3

## Short Track Version (22 pin magazine)

Compact design  
allows for more  
maneuverability  
in tight spots

C3ST Part #55011

## Trak-It® C3 & C3ST:

# Speed & Durability in One Tool

The original Trak-It® Gas Fastening Tool from Powers is significantly lighter, faster, and more reliable than competitive gas tools. This durable tool will keep your project on schedule and reduce downtime due to maintenance and repairs.

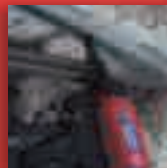


## No Extra Hardware Required for Lathing Washer

Lathing washer sticks directly into  
nose for efficient fastening



Lath to  
Concrete,  
Block, Brick  
& Steel



Metal Track  
to Concrete



Steel Track  
to Concrete





C3 Part #55011

### Light & Balanced

Portability is a key feature for this gas powered system

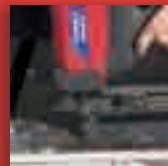
### Blue Valve Fuel Cell



Works in temperatures down to 10°F.



Wood to Concrete



Plywood to Concrete



DensGlass® to Steel Framing

DensGlass is a registered trademark of Georgia Pacific.

# Trak-It® C3 & C3ST Tools, Gas & Pins

## 1/2" STEEL PIN (STEP SHANK WITH ROLLED POINT)

PART #	DESCRIPTION	BOX	CARTON
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55020	1/2" Steel Pin	1000	5000
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Designed for use in A36 and A572 steel beams and purlins.

## STANDARD PINS (SMOOTH SHANK WITH ROLLED POINT)

PART #	DESCRIPTION	BOX	CARTON
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55022B	3/4" Black	1000	5000
55024	1" Zinc	1000	5000
55026	1 1/4" Zinc	1000	5000
55028	1 1/2" Zinc	1000	5000

Designed for use in Concrete and Masonry. All pins are zinc plated for a minimum level of corrosion resistance.

## STANDARD PINS WITH BREAK-FREE COLLATION (SMOOTH SHANK WITH ROLLED POINT)

PART #	DESCRIPTION	BOX	CARTON
--------	-------------	-----	--------

55032	3/4" Zinc	1000	5000
55033	1" Zinc	1000	5000
55034	1 1/4" Zinc	1000	5000
55035	1 1/2" Zinc	1000	5000

Plastic collation breaks completely free of pin during installation.

## PLYWOOD TO STEEL PINS (SPIRAL KNURL SHANK WITH ROLLED POINT)

PART #	DESCRIPTION	BOX	CARTON
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55036	1 3/8" mechanical zinc	1000	5000
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Designed for use to attach plywood to light gage steel framing.

## BULLSEYE PINS (STEP SHANK WITH ROLLED POINT)

PART #	DESCRIPTION	BOX	CARTON
--------	-------------	-----	--------

55085	680 Step Shank Pin	1000	5000
55087	730 Step Shank Pin	1000	5000

Designed for use in hard aggregate and precast concrete.

## TRAK-IT POLE TOOL

PART #	DESCRIPTION	BOX
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55049*	6' Pole Tool	1
55051*	8' Pole Tool	1

\*Pole Tool comes complete with C3ST Trak-It Tool (Short Track Tool)

55053	6' Pole Tool	1
55055	8' Pole Tool	1



## WASHERS

PART #	DESCRIPTION	BOX	CARTON
--------	-------------	-----	--------

55040	1" with holes	100	1000
55157	Denz-Tight™ Washer	100	1000

## TRAK-IT FUEL CELL

55010	Trak-It Fuel Cell	20	80
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Works in temperatures down to 10° F.

## TRAK-IT C3 & C3ST TOOLS

55011	C3 Trak-It	1	1
55002	C3 Trak-It (Short Track)	1	1

Tools comes with case, charger and two batteries.





**C3 & C3ST PERFORMANCE DATA**

Allowable Load Capacities for Trak-It C3 Fasteners Installed in ASTM A36 Steel (minimum  $f_u = 58$  ksi)

Fastener Type	Shank Diameter in.	Minimum Spacing in.	Minimum Edge Distance in.	Minimum Steel Member Thickness in.	Tension lbs.	Shear lbs.
1/2" Steel	0.120 / 0.102	1	1/2	1/4	165	260

Allowable Load Capacities for Trak-It C3 Fasteners Installed in Normal Weight Concrete

Shank Diameter in.	Minimum Embedment in.	Minimum Spacing in.	Minimum Edge Distance in.	Minimum Concrete Compressive Strength			
				$f'c = 2,000$ psi		$f'c = 4,000$ psi	
				Tension lbs.	Shear lbs.	Tension lbs.	Shear lbs.
0.102	5/8	4	3	70	80	80	100
0.102	3/4	4	3	80	130	130	210
0.102	7/8	4	3	80	160	130	220
0.102	1	4	3	80	190	130	230

Allowable Load Capacities for Trak-It C3 Fasteners Installed in Structural Sand-Lightweight Concrete

Shank Diameter in.	Minimum Embedment in.	Minimum Spacing in.	Minimum Edge Distance in.	Minimum Concrete Compressive Strength	
				$f'c = 3,000$ psi	
				Tension lbs.	Shear lbs.
0.102	3/4	4	6	100	110
0.102	7/8	4	6	110	120

**APPROVALS & LISTINGS:**

**ES** International Code Council, Evaluation Services  
(ICC-ES) ESR-2036  
City of Los Angeles Research Report LARR-25523



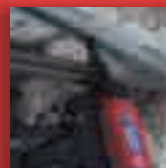
**NOTE:**

1. All pins come packaged 1,000 per box, with one fuel cell.
2. Powers C3 Trak-It pins, fuel, and tools are fully interchangeable with ITW TrakFast® products.

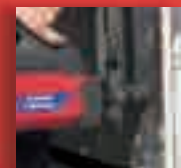
TrakFast is a registered trademark of Illinois Tool Works.



**Lath to Concrete, Block, Brick & Steel**



**Metal to Concrete**



**Wood to Concrete**

POWERS FASTENERS **BRANCH INFORMATION****USA LOCATIONS**

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Seattle	129 South Kenyon, Seattle, WA 98108	Darin Arnold	206-762-5812	206-762-5817

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Costa Rica	Electro Mechanics Supply, La Uruca Contiguo Banco Ntnl., De Costa Rica Condominio, Horizontal Bodega #9, San Jose, Costa Rica		(506) 2233-2595	
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Panama	Centro-Industrial, Via Cincuentenario, No. 7910, Ciudad Panama, Panama		(507) 302-8022	
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Trinidad - Tobago	Ft. Farfan, 3-5 Ibis Avenue, Ibis Acres, San Juan	Derek Cumming	(868) 674-7896	

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