



SAMMYS®

Notes



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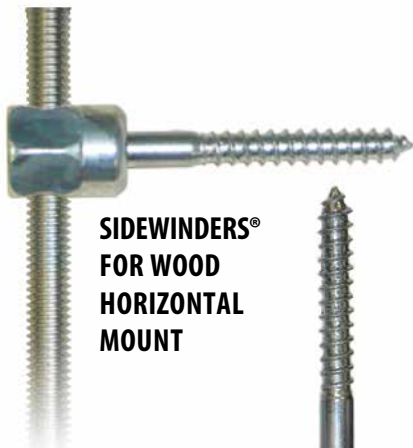
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Anchors for Wood

Installs into Wood Structures Easily and Quickly!

Available in Vertical and Horizontal



**SIDEWINDERS®
FOR WOOD
HORIZONTAL
MOUNT**

VERTICAL MOUNT

DESCRIPTION/SUGGESTED SPECIFICATIONS

Self drilling & self-tapping into wood—

The Wood Sammy is perfect for Hanging Sprinklers, Pipes, Electrical Fixture or HVAC Equipment to wood joist, 2x4, OSB, plywood and wood beams. It is available in 1/4", 3/8" and 1/2" threaded coupling. The Wood Sammy is available in vertical mount, horizontal mount, and Swivel mount to accommodate all fastening situations.

ADVANTAGES

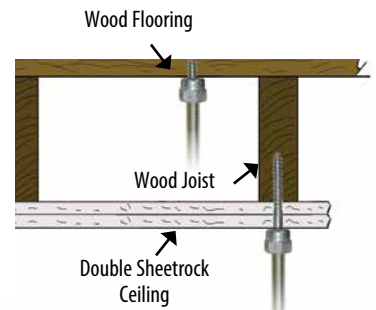
- No pre-drilling required.
- Quick to install using the Sammy Nut Driver with no load speed 2000-2500 rpm, minimum 6 amps drill/driver.
- Saves time from traditional methods.
- Reduces installation cost.
- Made in the U.S.A.

Sammy's Vertical Mount Product Features

Not less than 2" nominal width (1-1/2")

Not less than 3" nominal thickness (2-1/2") (depth or side of vertical member)

For vertical use - install in center of lower face. Minimum 2" embedment into base material for NFPA 13 compliance.



Composite / Truss

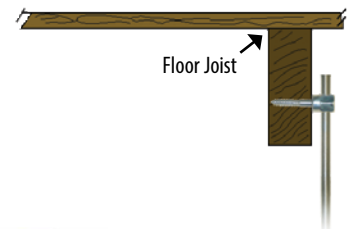
Consult truss manufacturer for recommended installation point.

*Pre-drilling may be required for GST 25-380. Tool available on page S 17.

Sammy's Sidewinder® Product Features

Not less than 2" nominal width (1-1/2") up to 3-1/2" pipe; not less than 3" (2-1/2") nominal width 4" & 5" pipe

Minimum 2-1/2" from bottom for branch lines. Minimum 3" from bottom for main lines. Exception: This requirement shall not apply to 2" or thicker nailing strips resting on top of steel beams.



Composite/Truss

Consult truss manufacturer for recommended installation point.

*Pre-drilling may be required for Model SWG 25-380 (tools available on page S 17)

APPLICATIONS

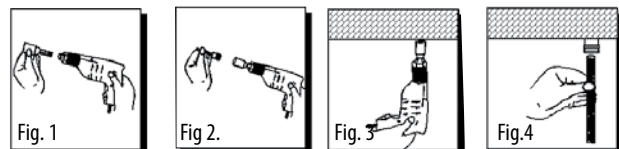


- Sprinkler Systems
- Pipes/Plumbing
- Electrical Lighting and Fixtures
- HVAC Equipment and Fixtures

APPROVALS

See Selection Chart for items with approvals.

INSTALLATION INSTRUCTIONS VERTICAL MOUNT

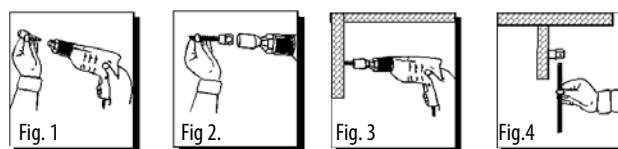


1. Insert the appropriate nut driver into a 3/8" or 1/2" portable drill.
2. Insert the SAMMYS into the #14 (black) nut driver (p/n 8113910). Drill should be in a vertical position.
3. Push the face of the nut driver tight to the member. When the nut driver spins freely on the SAMMYS, stop drill and remove.
4. The SAMMYS is now ready to receive 1/4", 3/8", 1/2" or metric all thread rod, bolt stock. (The 1/2" requires the #14SW red nut driver)

Important Vertical Installation Notes

Warranty requires the use of appropriate nut drivers for installation.
Model #14 Nut Driver Item No: 100 Color: Black Use With Sammys for 1/4" and 3/8" Rod PN 8113910
 Eye protection should be worn at all times when installing this product.

INSTALLATION INSTRUCTIONS HORIZONTAL MOUNT



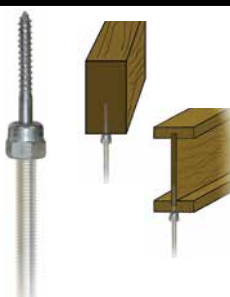
1. Insert the appropriate nut driver into a 3/8" or 1/2" portable drill.
2. Insert the SAMMYS into the #14W (red) nut driver (p/n 8114910). With drill unit in a horizontal position and at a right angle to the structural member, begin installation.
3. When the nut driver spins free on the SAMMYS, stop drill and remove.
4. The unit is now ready to receive 1/4", 3/8", or metric all thread rod, bolt stock.

Important Horizontal Installation Notes

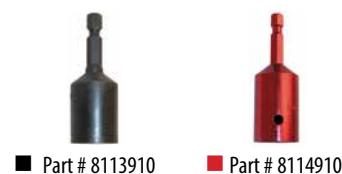
Warranty requires the use of appropriate nut drivers for installation. Sidewinders must be installed using **Model #14SW (Red) nut driver only. Item No: 101 PN: 8114910**
 Eye protection should be worn at all times when installing this product.

SELECTION CHART

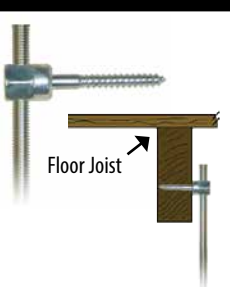
SAMMYS Vertical Mount



ROD SIZE	PART NUMBER	MODEL	DESCRIPTION	ULTIMATE PULLOUT (LBS)	UL LISTED	TEST LOAD (LBS)	FM APPROVED	TEST LOAD (LBS)	BOX QTY	CASE QTY	NUT DRIVER
3/8"	8008957	GST 20	1/4 x 2"	1760 (Fir)	UL LISTED	850	FM APPROVED	1475	25	125	Part # 8113910
3/8"	8010957	GST 30	1/4 x 3"	2060 (Fir)	UL LISTED	1500	FM APPROVED	1475	25	125	



SAMMYS Horizontal Mount



ROD SIZE	PART NUMBER	MODEL	DESCRIPTION	ULTIMATE PULLOUT (LBS)	UL LISTED	TEST LOAD (LBS)	BOX QTY	CASE QTY	NUT DRIVER
3/8"	8021957	SWG 20	1/4 x 2"	1725 (Fir)	UL LISTED	1050	25	125	Part # 8114910

SPECIAL NUT DRIVER SYSTEM: The nut drivers were designed with a unique spin-off feature which provides a fast and safe installation each time. When the face of the driver comes into contact with the material you are installing into, continue drilling until nut driver spins free. Installation is then complete. Warranty requires the use of the appropriate nut driver for installations.

SAMMYS for Wood – Seismic Restraint



SIDEWINDER FOR 3/8" RODS


SWG 20 FOR 3/8" ROD



Structural attachment fitting for installation of branch/end of line restraint using 3/8" threaded rod. Designed for use in wood structural member with a minimum thickness of 2" (nominal 1-1/2"). Can be used in composite wood joists; consult manufacturer for recommended installation point. These fastening systems provide a secure and economical attachment to the structure.

The SWG 20 model provide a one-piece upper structural attachment in a wide range of wood thicknesses.

SPECIFICATIONS

- Restrained Pipe Size:** Up to Schedule 40 pipe 2" or less
- Max Length of Restraint Material:** See Maximum Horizontal Load Tables below.
- Maximum Angle:** 45° from horizontal
- Material:** Carbon Steel
- Screw Description:** (SWG 20): 1/4"-10 x 2" wood screw
- Finish (both):** Electro-zinc (cap & fastener)
- Testing:** BX Report # R-1362
- Listing:** UL 203 as a pipe hanger
UL 203A pending 
- Installation:** Must be installed with #14 SW Red Nut Driver (Part No. 8114910)

SELECTION CHART

SAMMYS for Wood – Seismic Restraint

ROD SIZE	PART NUMBER	MODEL	MIN THICKNESS	APPLICATION	BOX QTY	CASE QTY
3/8"	8021957	SWG 20	1-1/2"	Wood, Dim. Lumber, TGI/TJI Joist	25	125

PERFORMANCE TABLES

Maximum Rod Length for I/r=100, 200, 300, and 400

RESTRAINT SHAPE AND SIZE	NOMINAL DIAMETER	AREA (in. ²)	LEAST RADIUS OF GYRATION, r (in.)	MAXIMUM ROD LENGTH FOR I/r (ft)			
				I/r = 100	I/r = 200	I/r = 300	I/r = 400*
Rods (all thread)	3/8 in.	0.07	0.075	0.6	1.3	1.9	2.5
	1/2 in.	0.129	0.101	0.8	1.7	2.5	3.4
Rods (threaded at ends only)	3/8 in.	0.11	0.094	0.8	1.6	2.4	3.1
	1/2 in.	0.196	0.125	1.0	2.1	3.1	4.2

Reference: NFPA 13, (2007)

* Reference: NFPA 13, (2010)

Anchors for Steel

Installs into Steel Structures Easily and Quickly!

Available in Vertical and Horizontal



VERTICAL MOUNT



SIDEWINDERS® FOR STEEL HORIZONTAL MOUNT



DESCRIPTION/SUGGESTED SPECIFICATIONS

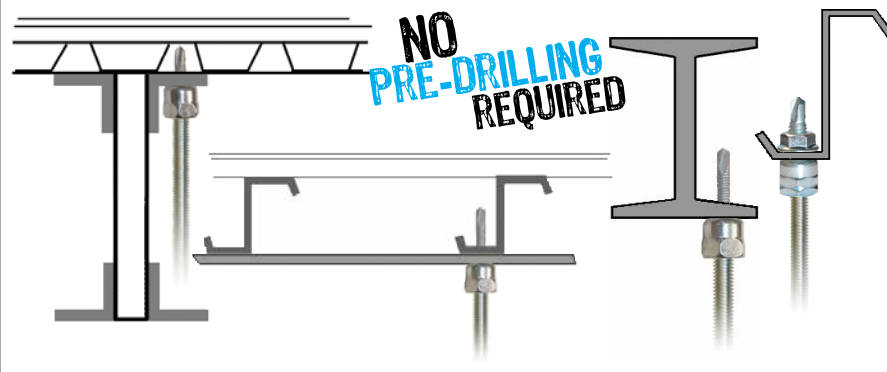
Self drilling & self tapping into steel up to 1/2" thick—

The Steel Sammy is made using Tek's® self-drilling fasteners, perfect for Hanging Sprinklers, Pipes, Electrical Fixture or HVAC Equipment to steel purlin, structural beams, and open web joist. The Steel Sammy is available in vertical mount, horizontal mount, and Swivel mount to accommodate all fastening situations.

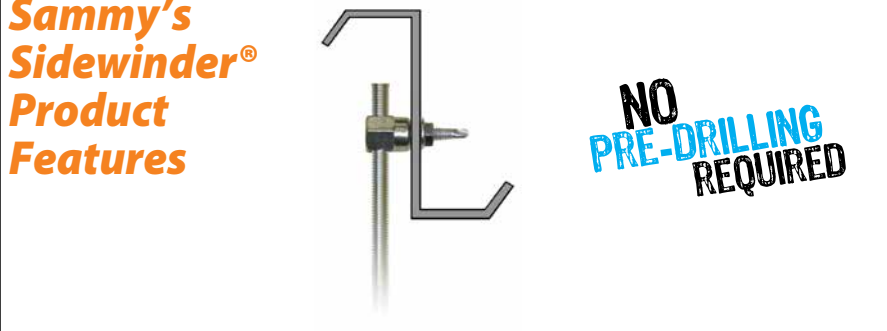
ADVANTAGES

- Made with Tek's® self-drilling fasteners – no pre-drilling required.
- Install into steel range from 22 gauge – 1/2" thickness
- Saves time from traditional methods.
- Reduces installation cost.
- Quick to install using the Sammy Nut Driver with a no load speed 2000-2500 rpm, minimum 6 amps drill/driver.

Sammy's Vertical Mount Product Features



Sammy's Sidewinder® Product Features



APPLICATIONS



- Sprinkler Systems
- Pipes/Plumbing
- Electrical Lighting and Fixtures
- HVAC Equipment and Fixtures



APPROVALS

See Selection Chart for items with approvals.

INSTALLATION INSTRUCTIONS VERTICAL MOUNT

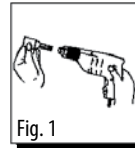


Fig. 1

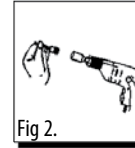


Fig. 2.

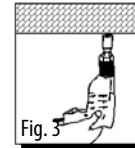


Fig. 3

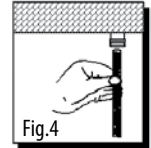


Fig.4

1. Insert the appropriate nut driver into a 3/8" or 1/2" portable drill.
2. Insert the SAMMYS into the #14 (black) nut driver (p/n 8113910). Drill should be in a vertical position.
3. Push the face of the nut driver tight to the member. When the nut driver spins freely on the SAMMYS, stop drill and remove.
4. The SAMMYS is now ready to receive 1/4", 3/8", 1/2" or metric all thread rod, bolt stock. (The 1/2" requires the #14SW red nut driver)

Important Vertical Installation Notes

Warranty requires the use of appropriate nut drivers for installation.

Model #14 Nut Driver Item No: 100 Color: Black

Use With Sammys for 1/4" and 3/8" Rod PN 8113910

Eye protection should be worn at all times when installing this product.

INSTALLATION INSTRUCTIONS HORIZONTAL MOUNT

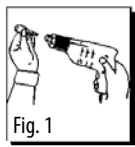


Fig. 1

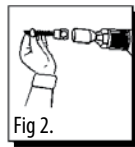


Fig. 2.

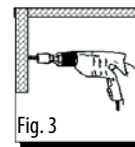


Fig. 3

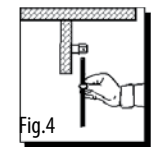


Fig.4

1. Insert the appropriate nut driver into a 3/8" or 1/2" portable drill.
2. Insert the SAMMYS into the #14W (red) nut driver (p/n 8114910). With drill unit in a horizontal position and at a right angle to the structural member, begin installation.
3. When the nut driver spins free on the SAMMYS, stop drill and remove.
4. The unit is now ready to receive 1/4", 3/8", or metric all thread rod, bolt stock.

Important Horizontal Installation Notes

Warranty requires the use of appropriate nut drivers for installation. Sidewinders must be

installed using Model #14SW (Red) nut driver only. Item No: 101 PN: 8114910

Eye protection should be worn at all times when installing this product.



■ Part # 8113910

■ Part # 8114910

SELECTION CHART

SAMMYS Vertical Mount



ROD SIZE	PART NUMBER	MODEL	DESCRIPTION	ULTIMATE PULLOUT (LBS)	UL LISTED	TEST LOAD (LBS)	FM APPROVED	TEST LOAD (LBS)	MIN THICKNESS	MAX THICKNESS	BOX QTY	CASE QTY	NUT DRIVER
3/8"	8040957	DST 10	1/4-14 x 1" TEKS 3	446 (20 ga.) 970 (16 ga.)					.036"-20 ga	3/16"	25	125	Part # 8113910
3/8"	8041957	DST 15	1/4-14 x 1-1/2" TEKS 3	446 (20 ga.) 970 (16 ga.)					.036"-20 ga	3/16"	25	125	

SAMMYS Horizontal Mount

3/8"	8055957	SWDR 1 *	1/4-20 x 1" TEKS 3	1900 (20 ga.)	1500	1475	.036"-20 ga	3/16"	25	125	Part # 8114910
3/8"	8056957	SWDR 516 *	5/16-18 x 1-1/4" TEKS 3	2480 (20 ga.)	1500	1475	.036"-20 ga	1/8"	25	125	

*Includes retaining nut

SPECIAL NUT DRIVER SYSTEM: The nut drivers were designed with a unique spin-off feature which provides a fast and safe installation each time. When the face of the driver comes into contact with the material you are installing into, continue drilling until nut driver spins free. Installation is then complete. Warranty requires the use of the appropriate nut driver for installations.

PERFORMANCE TABLES

Sheet Steel Gauges

GAUGE NO.	26	24	22	20	18	16	14	12	3/16"	1/4"
Nominal Decimal Equivalent	.018	.024	.030	.036	.048	.060	.075	.105	.188	.250

**Ultimate Pullout Values
(Avg. Lbs. Ultimate) – SAMMYS**

FASTENER			STEEL GAUGE (Lbs.)						
MODEL	DIA.	PT	20	18	16	14	12	3/16"	1/4"
DST 516	5/16"	#3	457	568	1209	1712	2422	-----	-----

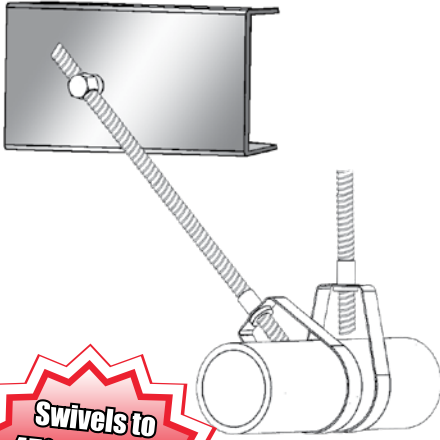
**Aluminum Curtain Wall Extrusion
Ultimate Pullout Values**

(AVERAGE LBS. ULTIMATE)						
FASTENER			THICKNESS			
MODEL	DIA.	PT.	.114	.092	.365	.132
DST 10	1/4	#3	1265	-----	2750	-----

**Ultimate Pullout Values
(Avg. Lbs. Ultimate) – SIDEWINDERS**

FASTENER			STEEL GAUGE (LBS.)						
MODEL	DIA.	PT	20	18	16	14	12	3/16"	1/4"
SWDR 1"	1/4"	#3	1900	-----	-----	1900	-----	-----	-----
SWDR 516	5/16"	#3	2480	-----	-----	2480	-----	-----	-----

SAMMYS for Steel – Seismic Restraint



DESCRIPTION (SIDEWINDER)

SWDR 516 FOR 3/8" ROD

Structural attachment for installation of branch/end of line restraint using 3/8" threaded rod. Used primarily in purlin, bar joist, or other steel structural members. These fastening systems provide a secure and economical attachment to the structure.

The **SWDR 516** model provides upper structural attachment in a range of steel thicknesses, from 20 ga. through 1/8". A retaining nut is included with each fastener.

SPECIFICATIONS

Restrained Pipe Size:	Up to Schedule 40 pipe 2" or less
Max Length of Restraint Material:	See Maximum Horizontal Load Tables below.
Maximum Angle:	45° from horizontal
Material:	Carbon Steel
Screw Description:	(SWDR 1-1/2): 12-24 X 1-1/2" Teks® 5 (SWDR 516): 5/16"-18 X 1-1/4" Teks® 3
Finish (both):	Electro-Zinc (cap) Silver Climaseal® (screw)
Testing:	BX Report # R-1362
Listing:	UL 203 as a pipe hanger UL 203A pending



SELECTION CHART

SAMMYS Sidewinders for Steel – Seismic Restraint

ROD SIZE	PART NUMBER	MODEL	MIN THICKNESS	MAX THICKNESS	APPLICATION	BOX QTY	CASE QTY	INSTALLATION TOOL
3/8"	8056957	SWDR 516	16 ga.	1/8"	Steel Purlin or Bar Joist	25	125	SWDR 516 must be installed with #14 SW Red Nut Driver (Part No. 8114910). No pre-drilling required.

PERFORMANCE TABLES

Maximum Horizontal Loads for Restraint with I/r=100, 200, 300, and 400

RESTRAINT SHAPE AND SIZE	NOMINAL DIAMETER	AREA (in. ²)	LEAST RADIUS OF GYRATION, r (in.)	MAXIMUM ROD LENGTH FOR I/r (ft)			
				I/r = 100	I/r = 200	I/r = 300	I/r = 400*
Rods (all thread)	3/8 in.	0.07	0.075	0.6	1.3	1.9	2.5
	1/2 in.	0.129	0.101	0.8	1.7	2.5	3.4
Rods (threaded at ends only)	3/8 in.	0.11	0.094	0.8	1.6	2.4	3.1
	1/2 in.	0.196	0.125	1.0	2.1	3.1	4.2

Reference: NFPA 13, (2007)

* Reference: NFPA 13, (2010)

SAMMYS®

Sammy X-Press®

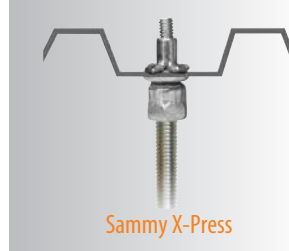
**Installs into
Metal Deck,
Purlin, or
Tubular Steel**



DESCRIPTION/SUGGESTED SPECIFICATIONS

Sammy X-Press Revolutionizes The Pipe Hanging Trades—

The Sammy X-Press® System is designed to provide direct attachment of threaded rod in metal deck (22-16 gauge) and thin gauge purlin (18-16 gauge), while providing reduced installation costs in terms of time and materials. The X-Press Anchors eliminate the need for costly "armovers" in pipe hanging installations. Current methods offered for thin gauge purlin require use of a time-consuming retaining



Sammy X-Press

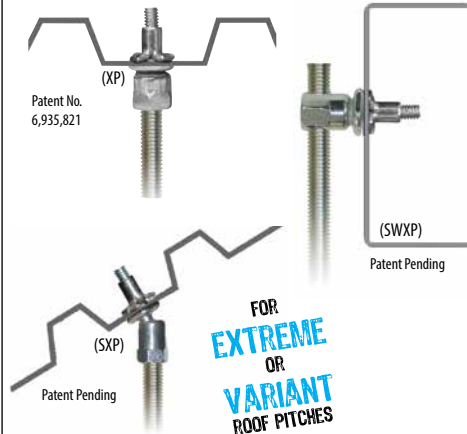
nut on the threaded portion of the fastener to prevent pullout and are not designed for use in metal deck. In many instances, access to the backside of the installed fastener is prohibited by panel liner or roofing insulation. Sammy X-Press® anchors deliver the performance installers require without the use of a retaining nut!

The patent-pending X-Press Anchors consist of a threaded fastener and expandable sleeve. The X-Press System features an easy-to-install anchor with expanding anchoring strips that collapse to prevent pullout after installation. The Sammy X-Press® It Installation Tool assures a perfect installation every time offering the added convenience of one-tool efficiency – just drill and drive in seconds! SECONDS!

ADVANTAGES

- Installs in seconds, saving time & installation costs.
- Use in applications where access to the back of the installed fastener is prohibited. i.e. metal roof deck, tubular steel, or vapor barrier fabric.
- Less jobsite material needed.
- No retaining nut required.
- Provides design flexibility.

Sammy's X-Press, Swivel and Sidewinder



The **Sammy X-Press** expands to provide direct vertical attachment in:

- Metal Deck (22-16 gauge)
- Z-Purlin (18-16 gauge)

The **Sammy X-Press Swivel** allows you to hang plumb in extreme roof pitches:

- 89° in Z-Purlin
- 45° in metal deck for 12/12 pitch

The **Sammy X-Press Sidewinder** expands to provide horizontal attachment in:

- 16 ga - 3/16" steel - purlin, tubular steel.

ITW Construction Products 

Call our toll free number 800-387-9692 or visit www.itwconstruction.ca for general information.
Visit ITW Buildex's SAMMYS web site www.sammysuperscrew.com for the most current product and technical information.

SAMMYS® S 11

APPLICATIONS



- Sprinkler Systems
- Pipes/Plumbing
- Electrical Lighting and Fixtures
- HVAC Equipment and Fixtures



INSTALLATION INSTRUCTIONS FOR 2.0



1. Pre-Drill Hole



2. Attach X-PRESS It™ 2.0 Sleeve



3. Insert and Lock in X-PRESS Anchor



4. Install by Expanding Anchor

APPROVALS

The X-Press System has earned the 9R21 and 25ES UL Listing.

INSTALLATION TOOL 2.0

SAMMY X-PRESS IT® 2.0 INSTALLATION TOOL

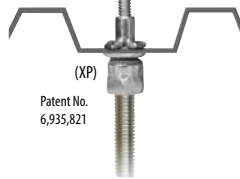


PART NUMBER	MODEL	DESCRIPTION	EACH QTY
8196910	UXPIT 2.0*	X-Press It 2.0 Installation Tool	1
8152910	XPDB	25/64" Drill Bit	1

*Tool Includes: Sleeve, Bit Receiver, Hex Wrench, and 25/64" Drill Bit.

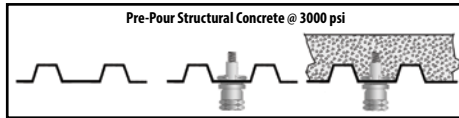
SELECTION CHART

SAMMYS X-Press Vertical Mount

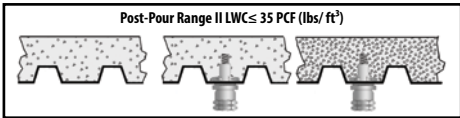


ROD SIZE	PART NUMBER	MODEL	DESCRIPTION	ULTIMATE PULLOUT (LBS)	UL LISTED	TEST LOAD (LBS)	UL MIN THICK	FM APPROVED	TEST LOAD (LBS)	FM MIN THICK	MAX THICK	BOX QTY	CASE QTY	APPLICATION
1/4"	8181922	XP 200	X-Press 200	1146 (22 ga)	185 (Luminaire) 250 (Luminaire)	.027" .056"					.125"	25	125	Metal Deck
3/8"	8150922	XP 20	X-Press 20	1146 (22 ga)	850 (2½" Pipe) 185 (Luminaire) 250 (Luminaire) 283 (Conduit & Cable)	.027" .027" .056" .029"		940 (2" Pipe) 1475 (4" Pipe)	.029" .104"		.125"	25	125	Metal Deck
3/8"	8153922	XP 35	X-Press 35	1783 (16 ga)	1500 (4" Pipe) 85 (Luminaire) 250 (Luminaire) 416 (Conduit & Cable)	.060" .029" .056" .059"		940 (2" Pipe) 1475 (4" Pipe)	.029" .104"		.125"	25	125	Purlin
3/8"	8150922	XP 20	X-Press 20	1146 (22 ga)	850 (2½" Pipe)			Pre-Pour Structural Concrete @ 3000 psi Post-Pour Range II LWC ≤ 35 PCF (lbs/ft³)			25	125	Metal Deck (Pre-Pour) Metal Deck (Post-Pour)	

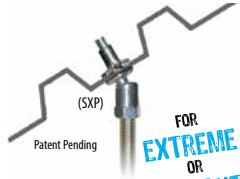
Pre-Pour Structural Concrete @ 3000 psi



Post-Pour Range II LWC ≤ 35 PCF (lbs/ft³)




SAMMYS X-Press Swivel Head®



ROD SIZE	PART NUMBER	MODEL	DESCRIPTION	ULTIMATE PULLOUT (LBS)	UL LISTED	TEST LOAD (LBS)	UL MIN THICK	FM APPROVED	TEST LOAD (LBS)	FM MIN THICK	MAX THICK	BOX QTY	CASE QTY	APPLICATION
3/8"	8295922	SXP 35	Swivel X-Press 35	1675 (16 ga Vertical) 1558 (89° Off Vertical)	1250 (3-1/2" Pipe) 250 vertical (Luminaire) 80 @ 90° (Luminaire)	.059"		635 (2" Pipe)	.029"		.125"	25	125	Purlin

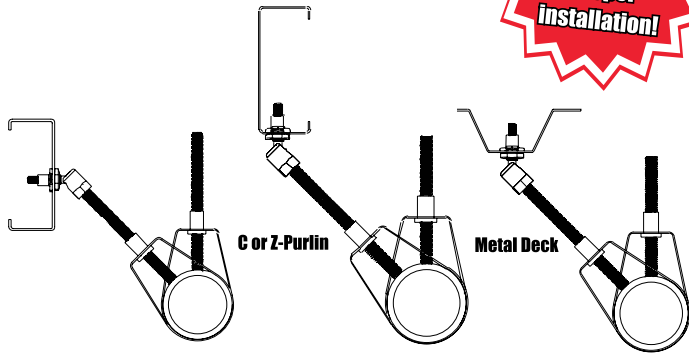
FOR EXTREME OR VARIANT ROOF PITCHES

SAMMYS X-Press Horizontal Mount



ROD SIZE	PART NUMBER	MODEL	DESCRIPTION	ULTIMATE PULLOUT (LBS)	UL LISTED	TEST LOAD (LBS)	FM APPROVED	TEST LOAD (LBS)	MIN THICK	MAX THICK	BOX QTY	CASE QTY	APPLICATION
3/8"	8293957	SWXP 35	Sidewinder X-Press 35	1798 (16 ga)	1250 (3½" Pipe) 80 (Luminaire) 416 (Conduit & Cable)				.060"	.125"	25	125	Purlin

SAMMYS X-Press for Seismic Restraint



DESCRIPTION

FEATURES

- Structural attachment and restraint component combined; ready for selected rod.
- Access to the back of fastener not required.
- Does not require use of a retaining nut.
- Quick and easy installation.

BENEFITS

- Reduced installation cost.
- Design flexibility.
- Less on site material (GO GREEN).
- Less material coordination.
- Aesthetically pleasing.

FOR 3/8" AND 1/2" RODS

SXP 35 FOR 3/8" ROD

Structural attachment for installation of branch/end of line restraint using 3/8" all thread (.299" OD) or end thread rod (.374" OD).

SXP 35 for 3/8" Rod: Designed for use in steel purlin ranging from 16 ga. through 1/8" in low slope or pitched roof designs (12/12).

The Swivels may be used to attach short length of rod to eliminate lateral sway bracing per NFPA 13, 9.3.5.3.8, (2007).

SPECIFICATIONS

FOR 3/8" ROD

- Restrained Pipe Size:** Up to Schedule 40 pipe 2" or less
- Max Length of Restraint Material:** See Maximum Horizontal Load Tables below.
- Maximum Angle:** 45° from horizontal
- Material:** Carbon Steel
- Screw Description:** 1/4"-20 x 1-1/8" with expandable sleeve
- Finish:** Electro-Zinc
- Testing:** Tested to GR-63-CORE Standard for performance in structural steel in seismic restraint applications as outlined for use in NFPA 13 (2007), 9.3 at an independent test lab. The calculated force used for the testing was equal to that found in a Zone 4 and an 8.4 Richter scale seismic event.
- Listing for 3/8" Rod:** UL 203 listed as pipe hanger File EX 5098
- SXP 35 (16 ga.) 0-90° from horizontal - 3-1/2" Schedule 40 pipe
UL 203A File EX 15565



SELECTION CHART

SAMMYS X-Press Swivels – Seismic Restraint

ROD SIZE	PART NUMBER	MODEL	MIN THICKNESS	MAX THICKNESS	APPLICATION	BOX QTY	CASE QTY	INSTALLATION TOOL
3/8"	8295922	SXP 35	16 ga	1/8"	Purlin	25	125	The SWXP 35 must be installed with UXFIT Tool (Part No. 8194910); pre-drilling required.

PERFORMANCE TABLES

Maximum Rod Length for I/r=100, 200, 300, and 400

RESTRAINT SHAPE AND SIZE	NOMINAL DIAMETER	AREA (in. ²)	LEAST RADIUS OF GYRATION, r (in.)	MAXIMUM ROD LENGTH FOR I/r (ft)			
				I/r = 100	I/r = 200	I/r = 300	I/r = 400*
Rods (all thread)	3/8 in.	0.07	0.075	0.6	1.3	1.9	2.5
	1/2 in.	0.129	0.101	0.8	1.7	2.5	3.4
Rods (threaded at ends only)	3/8 in.	0.11	0.094	0.8	1.6	2.4	3.1
	1/2 in.	0.196	0.125	1.0	2.1	3.1	4.2

Reference: NFPA 13, (2007)

* Reference: NFPA 13, (2010)

DESCRIPTION (SIDEWINDER)

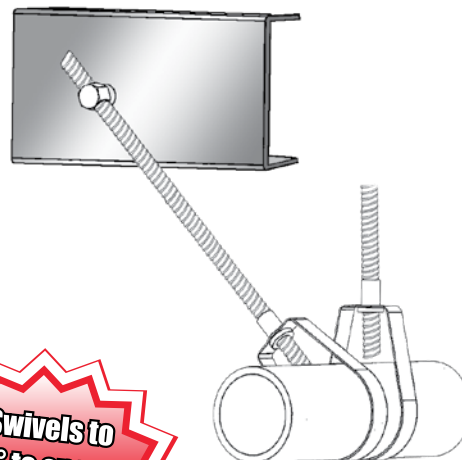
SWXP 35 FOR 3/8" ROD

Structural attachment for installation of branch/end of line restraint using 3/8" threaded rod. Used primarily in purlin, bar joist, or other steel structural members. These fastening systems provide a secure and economical attachment to the structure.

The SWXP 35 model provides upper structural attachment in a range of steel thicknesses, from 16 ga. through 1/8". An expandable sleeve is included with each fastener, eliminating need for retaining nut.

SPECIFICATIONS

- Restrained Pipe Size:** Up to Schedule 40 pipe 2" or less
- Max Length of Restraint Material:** See Maximum Horizontal Load Tables below.
- Maximum Angle:** 45° from horizontal
- Material:** Carbon Steel
- Screw Description:** 1/4"-20 X 1-1/8" with expandable sleeve
- Finish:** Electro-Zinc (cap & screw)
- Testing:** BX Report # R-1362
- Listing:** UL 203 as a pipe hanger
UL 203A pending



SELECTION CHART

SAMMYS Sidewinders for Steel – Seismic Restraint

ROD SIZE	PART NUMBER	MODEL	MIN THICKNESS	MAX THICKNESS	APPLICATION	BOX QTY	CASE QTY	INSTALLATION TOOL
3/8"	8293957	SWXP 35	16 ga.	1/8"	Steel Purlin or Bar Joist	25	125	The SWXP 35 must be installed with UXFIT Tool (Part No. 8194910); pre-drilling required.

PERFORMANCE TABLES

Maximum Horizontal Loads for Restraint with l/r=100, 200, 300, and 400

RESTRAINT SHAPE AND SIZE	NOMINAL DIAMETER	AREA (in. ²)	LEAST RADIUS OF GYRATION, r (in.)	MAXIMUM ROD LENGTH FOR l/r (ft)			
				l/r = 100	l/r = 200	l/r = 300	l/r = 400*
Rods (all thread)	3/8 in.	0.07	0.075	0.6	1.3	1.9	2.5
	1/2 in.	0.129	0.101	0.8	1.7	2.5	3.4
Rods (threaded at ends only)	3/8 in.	0.11	0.094	0.8	1.6	2.4	3.1
	1/2 in.	0.196	0.125	1.0	2.1	3.1	4.2

Reference: NFPA 13, (2007)

* Reference: NFPA 13, (2010)

Anchors for Concrete

*Installs into
Concrete Structures
Easily and Quickly!*

*Available
in Vertical*



VERTICAL MOUNT

DESCRIPTION/SUGGESTED SPECIFICATIONS

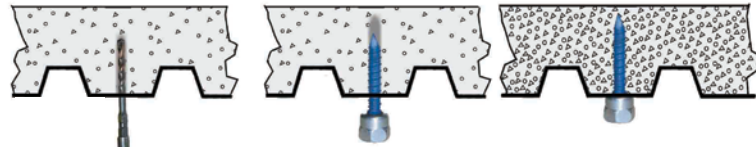
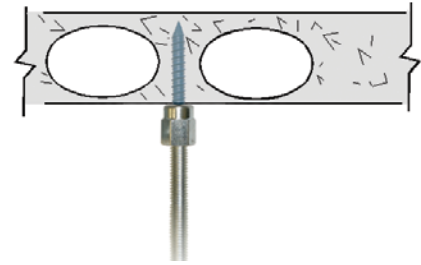
Tapcon Sammy Screw—

The Concrete Sammy is made using 5/16" Tapcon® Concrete Screws, perfect for Hanging Sprinklers, Pipes, Electrical Fixture or HVAC Equipment to cast in place concrete, precast concrete, and open web joist. The Concrete Sammy is available in vertical mount to accommodate all fastening situations.

ADVANTAGES

Sammy's for Concrete Product Features

- Easy two step process (Drill hole & drive Sammy concrete anchor).
- 1/4" pre-drilled pilot hole required.
- Concrete Installation Tool available for a one tool installation process.



APPLICATIONS



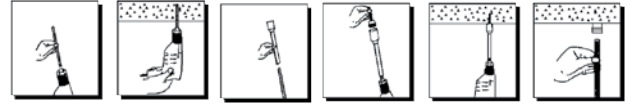
- Sprinkler Systems
- Pipes/Plumbing
- Electrical Lighting and Fixtures
- HVAC Equipment and Fixtures



APPROVALS

See Selection Chart for items with approvals.

**INSTALLATION INSTRUCTIONS
VERTICAL MOUNT**



1. Using an SDS 250 carbide tip bit or a HEX RECEIVER with a #250 carbide tip bit, pre-drill the concrete member to a depth of 2" with an electric impact/drill set on impact mode.
2. After pre-drilling has been completed, install the SLEEVE TOOL over the bit (the bit should remain in the drill), and insert the #14 (black) nut driver (p/n 8113910) into the opposite end.
3. Insert the concrete screw into the nut driver.
4. Place tip of screw into the pre-drilled hole, turn impact/drill unit to drill mode and begin insertion. When the nut driver spins free on the screw, installation is complete. Stop and remove drill.
5. The concrete screw is ready to receive 1/4", 3/8", 1/2", or metric all thread rod or bolt stock. (#14SW red nut driver used with 1/2" screw)

NOTE: Use a 1200 maximum RPM drill for installation.

NOTE: Do not install concrete screws while the drill unit is in impact mode — doing so will destroy the pullout factor of the screw.

SELECTION CHART

SAMMYS Vertical Mount



■ Part # 8113910

■ Part # 8114910



ROD SIZE	PART NUMBER	MODEL	DESCRIPTION	ULTIMATE PULLOUT (LBS)	FM APPROVED	TEST LOAD (LBS)	BOX QTY	CASE QTY	NUT DRIVE
3/8"	8059957	CST 20	5/16 x 1-3/4"	2400	1475	25	125	Part # 8113910	

Speedy Pole Tool™

For Ceiling Wire Applications

PRODUCT FEATURES

Speed your labor by 25%

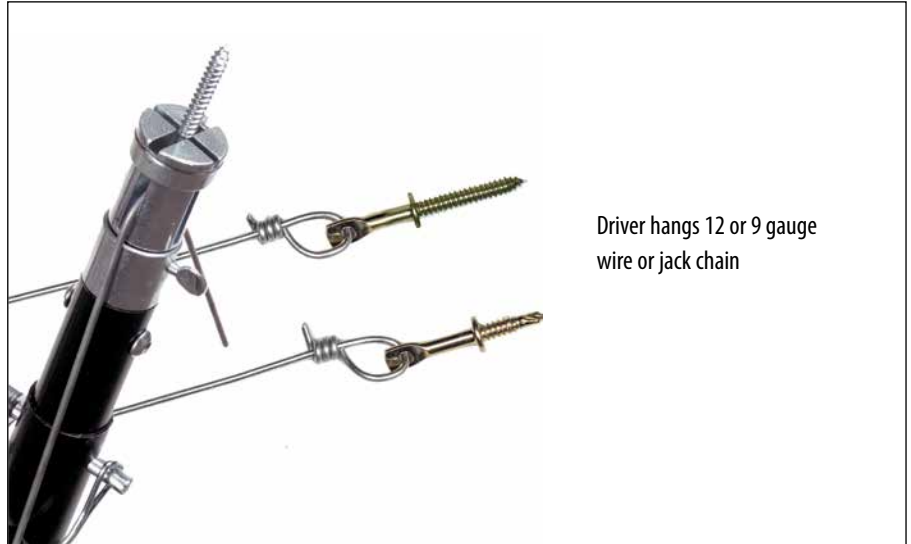
Work from the ground up

No scaffolding, ladders, or lifts

Perfect for working in tight spaces, through ceiling grid, and high value ceilings

Works with any Vertical SAMMYS: Wood, Steel, or Concrete

ADVANTAGES



Driver hangs 12 or 9 gauge wire or jack chain

INSTALLATION INSTRUCTIONS



Insert adjusting pin here

1



2



3

1. Adjust the Pole Tool to length. The adjusting pin must be 18" below the base of the pin may interfere with the rod.
2. Load rod and SAMMYS into the Pole Tool.
3. The socket will spin free when the screw is completely installed. Pull down to remove the Pole Tool

SELECTION CHART

PART NUMBER	DESCRIPTION	BOX QTY
SP4	Speedy Pole 4' - 12'	1

National Headquarters

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800-387-9692

Fax: 905-471-7208
800-668-8688

Technical and Customer Service Support

Tel: 800-387-9692

Fax: 800-668-8688

Regional Warehouses

- Markham, Ontario
- Coquitlam, British Columbia
- Calgary, Alberta

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