

# SAMMYS®

## 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

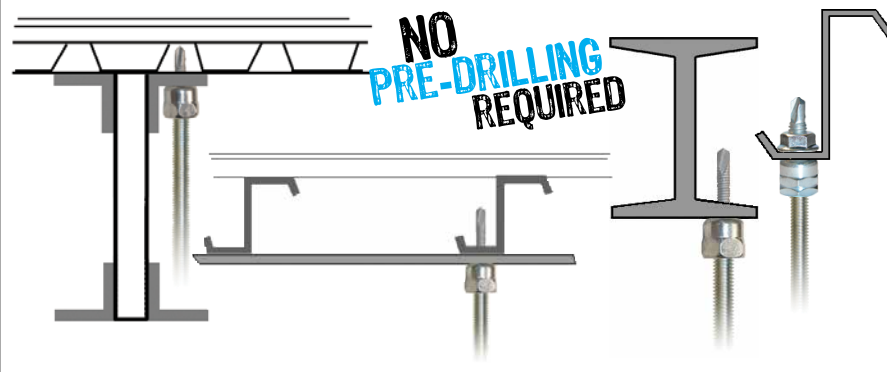
#### *Self drilling & self tapping into steel up to 1/2" thick—*

The Steel Sammy is made using Teks® 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.

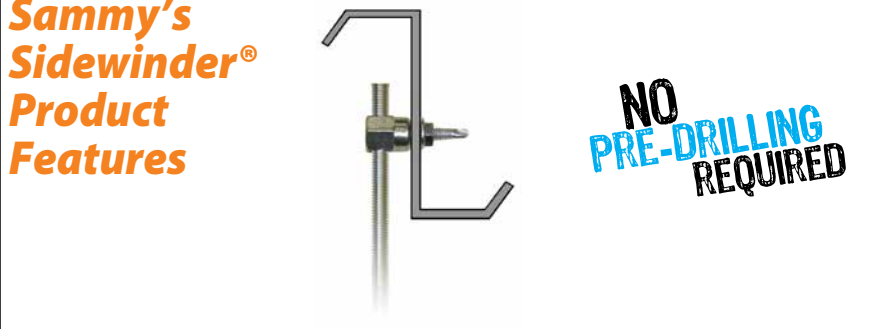
### ADVANTAGES

- Made with Teks® 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

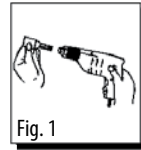


Fig. 1

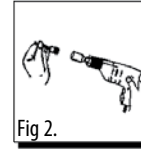


Fig. 2.

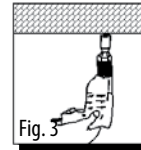


Fig. 3

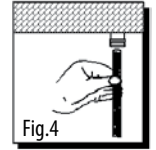


Fig.4

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

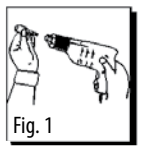


Fig. 1

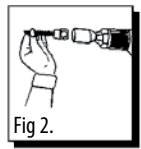


Fig. 2.

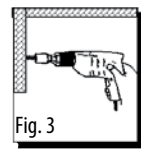


Fig. 3

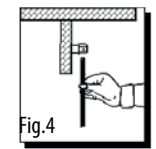


Fig.4

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	-----	-----

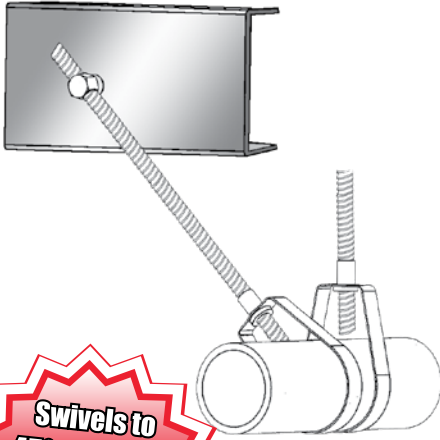
### Aluminum Curtain Wall Extrusion Ultimate Pullout Values

(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

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