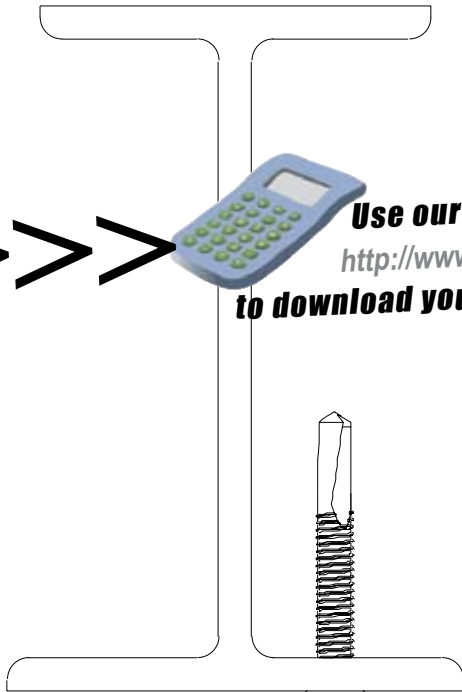


SAMMYS[®] for SEISMIC



Use our NEW **SEISMIC CALCULATOR** at
<http://www.sammysuperscrew.com/sammysforseismic.htm>
to download your Restraint Calculations **EASILY AND ACCURATELY!!**



ITW Buildex
1349 W Bryn Mawr Ave
Itasca, IL 60143
800-BUILDEX
www.itwbuildex.com

Swivel X-Press™ for Seismic Restraint



For 3/8" Rod

SXP 20 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). Designed for use in metal deck ranging from 22 ga. through 18 ga. in low slope or pitched roof designs (12/12). The SXP 20 may be used to attach short length of rod to eliminate lateral sway bracing per NFPA 13, 9.3.5.3.8, (2007).

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). Designed for use in steel purlin ranging from 16 ga. through 1/8" in low slope or pitched roof designs (12/12). The SXP 35 may be used to attach short length of rod to eliminate lateral sway bracing per NFPA 13, 9.3.5.3.8, (2007).

Restrained Pipe Size: Up to Schedule 40 pipe 2" or less
Max Length of Restraint Material: See Maximum Rod Length table 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: UL 203 listed as pipe hanger File EX 5098
 - SXP 20 (22 ga.) 0-45° from horizontal - 2" Schedule 40 pipe
 - SXP 35 (16 ga.) 0-90° from horizontal - 3-1/2" Schedule 40 pipe
 UL 203A File EX 15565  
Installation: Must be installed with UXPIT Tool (Part No. 8194910); pre-drilling required.


For 1/2" Rod

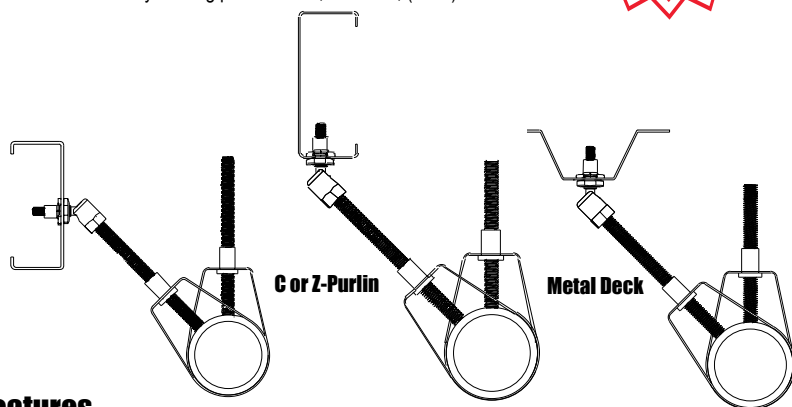
SXP 2.0 for 1/2" Rod

Structural attachment for installation of branch/end of line restraint using 1/2" all thread (.405" OD) or end thread rod (.500" OD). Designed for use in metal deck ranging from 22 ga. through 18 ga. in low slope or pitched roof designs (12/12). The SXP 2.0 may be used to attach short length of rod to eliminate lateral sway bracing per NFPA 13, 9.3.5.3.8, (2007).


SXP 3.5 for 1/2" Rod

Structural attachment for installation of branch/end of line restraint using 1/2" all thread (.405" OD) or end thread rod (.500" OD). Designed for use in steel purlin ranging from 16 ga. through 1/8" in low slope or pitched roof designs (12/12). The SXP 3.5 may be used to attach short length of rod to eliminate lateral sway bracing per NFPA 13, 9.3.5.3.8, (2007).

Restrained Pipe Size: Up to Schedule 40 pipe 2" or less
Max Length of Restraint Material: See Maximum Rod Length table 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: UL 203A File EX 15565 
Installation: Must be installed with UXPIT Tool (Part No. 8194910); pre-drilling required.



Features

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

Benefits

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

Installation Tool



• UXPIT Universal X-Press II® Tool (Part No. 8194910)

In-Place Cost Analysis Restraint versus Sway Bracing

	Rod-Ready Restraint Component		Sway Brace Component (Additional Assembly/ Attachment Required)
	Sammys®		
	SXP	SH-TEK 50	Competitors
Cost of Materials	\$8.00*	\$5.00*	\$18.00
Installation Time	30 Seconds	30 Seconds	30 Minutes
Installation Labor	\$0.33	\$0.33	\$20.00
Total Installed Cost	\$8.33	\$5.33	\$38.00

*Suggested contractor price.

Material	Cost / Foot
Rod	\$0.20
1" Sch. 40 Steel Pipe	\$1.00

Selector Guide

Part Number	Model	Rod Size	Min Thick	Max Thick	Application	Box Qty	Case Qty
8294922	SXP 20	3/8"	22 ga	18 ga.	Metal Deck	25	125
8272957	SXP 2.0	1/2"	22 ga	18 ga.	Metal Deck	25	125
8295922	SXP 35	3/8"	16 ga	1/8"	Purlin	25	125
8271957	SXP 3.5	1/2"	16 ga	1/8"	Purlin	25	125

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

Restraint Shape and Size	Nominal Diameter	Area (in. ²)	Least Radius of Gyration, r (in.)	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)

Swivel Head Tek[™] for Seismic Restraint

For 3/8" Rod

SH-TEK 50 for 3/8" Rod

Structural attachment for installation of branch/end of line restraint using 3/8" threaded rod (.299" OD) or end thread rod (.374" OD). Designed for use in bar joist, I-beam, rectangular, square, and circular hollow structural steel ranging from 1/8" to 1/2" in low slope or pitched roof designs (12/12). The SH-TEK 50 may be used to attach short length of rod to eliminate lateral sway bracing per NFPA 13, 9.3.5.3.8, (2007).

The SH-TEK 50 model provides upper structural attachment in a wide range of steel thicknesses, from 1/8" through 1/2". This fastening system provides a secure and economical attachment to the structure.

Restrained Pipe Size: Up to Schedule 40 pipe 2" or less

Max Length of Restraint Material: See Maximum Rod Length table below

Maximum Angle: 45° from horizontal

Material: Carbon Steel

Screw Description: 12-24 X 1-3/8" Tek[®] 5 milled point

Finish: Electro-zinc (cap)
Climaseal[®] (fastener)

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: UL 203 listed as pipe hanger File EX 5098
- Perpendicular to structural member – 4" Schedule 40 pipe
- 45° off vertical – 2-1/2" Schedule 40 pipe

UL 203A File EX 15565

Installation: Must be installed with #14 SH Nut Driver (ORANGE) (Part No. 8273910)

For 1/2" Rod

SH-TEK 5.0 for 1/2" Rod

Structural attachment for installation of branch/end of line restraint using 1/2" threaded rod (.405 OD) or end thread rod (.500 OD). Designed for use in bar joist, I-beam, rectangular, square, and circular hollow structural steel ranging from 1/8" to 1/2" in low slope or pitched roof designs (12/12). The SH-TEK 5.0 may be used to attach short length of rod to eliminate lateral sway bracing per NFPA 13, 9.3.5.3.8, (2007).

The SH-TEK 5.0 model provides upper structural attachment in a wide range of steel thicknesses, from 1/8" through 1/2". This fastening system provides a secure and economical attachment to the structure.

Restrained Pipe Size: Up to Schedule 40 pipe 2" or less

Max Length of Restraint Material: See Maximum Rod Length table below

Maximum Angle: 45° from horizontal

Material: Carbon Steel

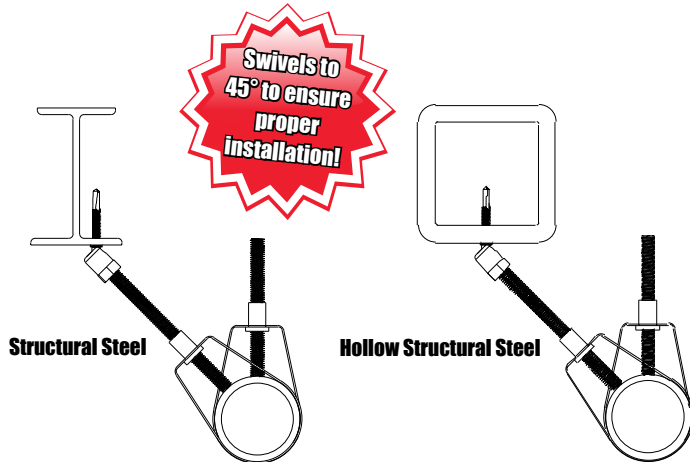
Screw Description: 12-24 X 1-3/8" Tek[®] 5 milled point

Finish: Electro-zinc (cap)
Climaseal[®] (fastener)

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 or an 8.4 Richter scale seismic event.

Listing: UL 203A File 15565

Installation: Must be installed with #14 SH Nut Driver (ORANGE) (Part No. 8273910)



In-Place Cost Analysis Restraint versus Sway Bracing

	Rod-Ready Restraint Component		Sway Brace Component (Additional Assembly/ Attachment Required)
	Sammys [®]		Competitors
	SXP	SH-TEK 50	
Cost of Materials	\$8.00*	\$5.00*	\$18.00
Installation Time	30 Seconds	30 Seconds	30 Minutes
Installation Labor	\$0.33	\$0.33	\$20.00
Total Installed Cost	\$8.33	\$5.33	\$38.00

*Suggested contractor price.

Material	Cost / Foot
Rod	\$0.20
1" Sch. 40 Steel Pipe	\$1.00

Features

- Structural attachment and restraint component combined; ready for selected rod.
- No pre-drilling.
- Access to the back of fastener not required.
- Does not require use of a retaining nut.
- Quick and easy installation.
- Made in USA.

Benefits

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

Installation Tool



• #14 SH Nut Driver (ORANGE) (Part No. 8273910)

Selector Guide

Part Number	Model	Rod Size	Min Thick	Max Thick	Application	Box Qty	Case Qty
8268957	SH-TEK 50	3/8"	1/8"	1/2"	Structural Steel*	25	125
8270957	SH-TEK 5.0	1/2"	1/8"	1/2"	Structural Steel*	25	125

* I-Beam, Bar Joist, Hollow Structural Steel

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.)	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)

Swivel Head™ for Seismic Restraint

Swivel Heads for Wood/Concrete

SH-GST/CST 20 for 3/8" Rod & SH-GST/CST 2.0 for 1/2" Rod

Designed for use in wood structural member or concrete structures such as poured concrete.

In wood structures the SH-GST/CST 20 or 2.0 can be used in a minimum thickness of 2" (nominal 1-1/2") or composite wood joists. Consult manufacturer for recommended installation point.

In concrete structures the SH-GST/CST 20 or 2.0 can be used in concrete structures such as poured concrete, T- or L-beams with compressive strength of 3000-5000 psi.



- Restrained Pipe Size:** Up to Schedule 40 pipe 2" or less
- Max Length of Restraint Materials:** See Maximum Horizontal Load Tables below.
- Maximum Angle:** 45° from horizontal
- Material:** Carbon Steel
- Screw Description:** 5/16" x 1-3/4" Hi-Lo Tapcon®
- Finish:** Electro-zinc (cap) Blue Climaseal® (fastener)
- Testing:** BX Report # R-1362
- Listing:** UL 203A pending
- Installation:** Must be installed with #14 SH Orange Nut Driver (Part No. 8273910)



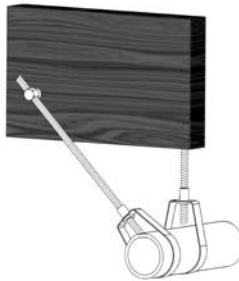
Sidewinder® for Seismic Restraint


Sidewinder® for Wood

SWG 20 for SWG 25-380 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 and SWG 25-380 models provide a one-piece upper structural attachment in a wide range of wood thicknesses. Pre-drilling may be required for model SWG 25-280.



- 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
- Screw Description (SWG 25-380):** 3/8"-10 x 2-1/2" wood screw
- Finish:** 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)

Sidewinder® for Steel

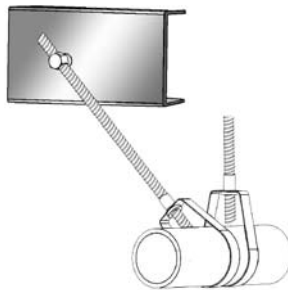
SWDR 1-1/2, SWDR 516, and SWXP 35 for 3/8" Rod

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 SWDR 1-1/2 model provides upper structural attachment in a range of steel thicknesses, from 3/16" through 1/2". A retaining nut is included with each fastener.

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.

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.

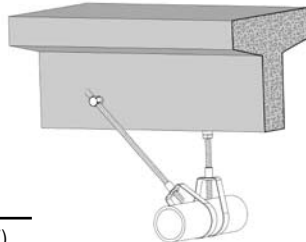



- Restrained Pipe Size:** Up to Schedule 40 pipe 2" or less
- Max Length of Restraint Material:** See Maximum Horizontal Load Tables below.
- Maximum Angle:** 45° from horizontal
- Material:** Carbon Steel
- Screw Description (SWDR 1-1/2):** 12-24 X 1-1/2" Tek® 5
- Finish (SWDR 1-1/2):** Electro-Zinc (cap) Silver Climaseal® (screw)
- Screw Description (SWDR 516):** 5/16"-18 X 1-1/4" Tek® 3
- Finish (SWDR 516):** Electro-Zinc (cap) Silver Climaseal® (screw)
- Screw Description (SWXP 35):** 1/4"-20 X 1-1/8" with expandable sleeve
- Finish (SWXP35):** Electro-Zinc (cap & screw)
- Testing:** BX Report # R-1362
- Listing:** UL 203 as a pipe hanger  UL 203A pending
- Installation:** The SWDR 1-1/2 and SWDR 516 must be installed with #14 SW Red Nut Driver (Part No. 8114910). No pre-drilling required. The SWXP 35 must be installed with UXFIT Tool (Part No. 8194910); pre-drilling required.

Sidewinder® for Concrete

SWC 20 for 3/8" Rod

Structural attachment for installation of branch/end of line restraint using 3/8" threaded rod. The SWC 20 is designed for use in concrete structures such as poured concrete, T- or L-beams with compressive strength of 3000-5000 psi. This fastening system provides a secure and economical attachment to the structure.



- 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:** 5/16"-14 x 1-3/4" Hi-Lo Tapcon®
- Finish:** Electro-Zinc (cap) and Blue Climaseal® (screw)
- Testing:** BX Report # R-1362
- Listing:** FM Report # 3031269  UL 203A pending

Installation Tools



- #14 SH Nut Driver (ORANGE) (Part No. 8273910)
- #14 SW Nut Driver (RED) (Part No. 8114910)

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)

Selector Guide for Swivel Head™ and Sidewinder®

Part Number	Model	Rod Size	Min Thick	Max Thick	Application	Box Qty	Case Qty
8021957	SWG 20	3/8"	1-1/2"	N/A	Wood, Dim. Lumber, TGI/TJI Joist	25	125
8022925	SWG 25-380	3/8"	1-1/2"	N/A	Wood, Dim. Lumber, TGI/TJI Joist	25	125
8269957	SH-GST/CST 20	3/8"	1-1/2"	N/A	Wood, Dim. Lumber, TGI/TJI Joist	25	125
8270957	SH-GST/CST 2.0	1/2"	1-1/2"	N/A	Wood, Dim. Lumber, TGI/TJI Joist	25	125
8054957	SWDR 1-1/2	3/8"	16 ga.	1/2"	Steel Purlin or Bar Joist	25	125
8056957	SWDR 516	3/8"	16 ga.	1/8"	Steel Purlin or Bar Joist	25	125
8293957	SWXP 35	3/8"	16 ga.	1/8"	Steel Purlin or Bar Joist	25	125
8061957	SWC 20	3/8"	N/A	N/A	3000 psi Poured Concrete or CMU	25	125



1349 W Bryn Mawr Ave • Itasca, IL 60143
800-BUILDEX • www.itwbuildex.com



Teks®, Sammys®, Sammy X-Press It®, Sidewinder®, Tapcon®, and Climaseal® are registered trademarks of ITW Buildex and Illinois Tool Works, Inc. © 2009 ITW Buildex and Illinois Tool Works, Inc. Please visit www.itwbuildex.com for warranty information SSS54 rev. 1209