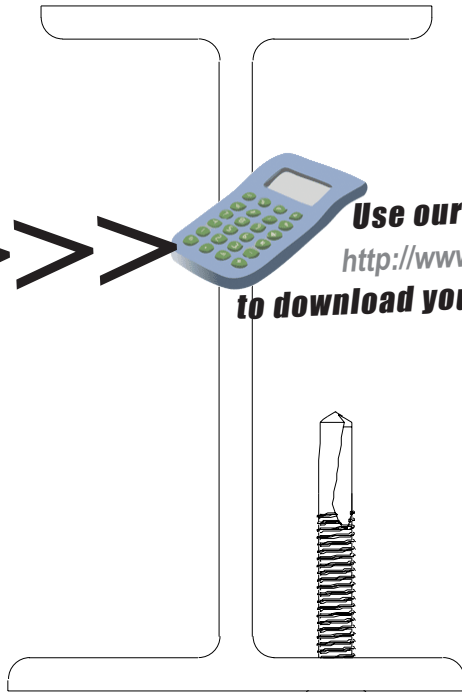


# SAMMYS<sup>®</sup> for SEISMIC



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# 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 UXFIT Tool (Part No. 8194910); pre-drilling required.


## For 1/2" Rod

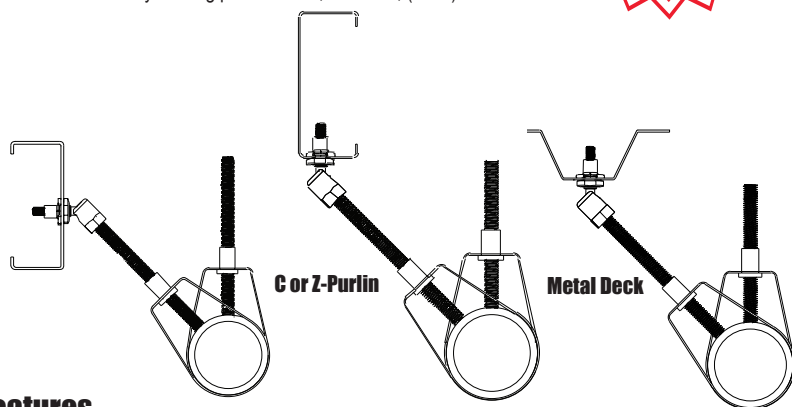
### SXP 2.0 for 1/2" Rod

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 UXFIT Tool (Part No. 8194910); pre-drilling required.



## 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.
- Made in USA. 

## Benefits

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

## Installation Tool



• UXFIT 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®                       |               | 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   |
| <b>Total Installed Cost</b> | <b>\$8.33</b>                 | <b>\$5.33</b> | <b>\$38.00</b>  |

\*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. <sup>2</sup> ) | 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<sup>™</sup> 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<sup>®</sup> 5 milled point

**Finish:** Electro-zinc (cap)  
Climaseal<sup>®</sup> (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

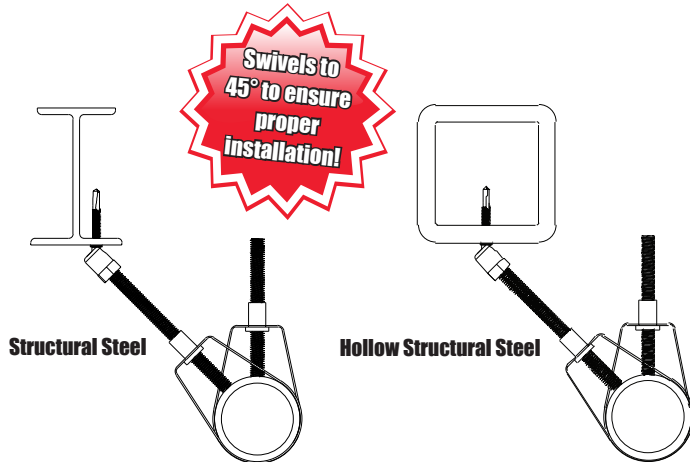
**Screw Description:** 12-24 X 1-3/8" Tek<sup>®</sup> 5 milled point

**Finish:** Electro-zinc (cap)  
Climaseal<sup>®</sup> (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 <sup>®</sup>           |               | 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   |
| <b>Total Installed Cost</b> | <b>\$8.33</b>                 | <b>\$5.33</b> | <b>\$38.00</b>  |

\*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.
- Does not require use of a retaining nut.
- No pre-drilling.
- Quick and easy installation.
- Access to the back of fastener not required.
- Made in USA.

## Benefits

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

| Restrainer Shape and Size    | Nominal Diameter | Area (in. <sup>2</sup> ) | 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

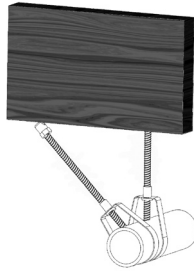
## Swivel Heads for Wood/Concrete

### 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)



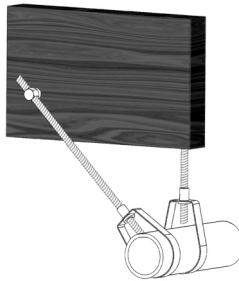
# Sidewinder® for Seismic Restraint

## 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

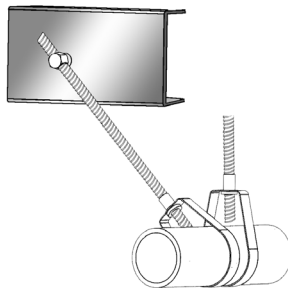
### SWDR 1-1/2, SWDR 516, and SWXP 35 for 3/8" Rod

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.

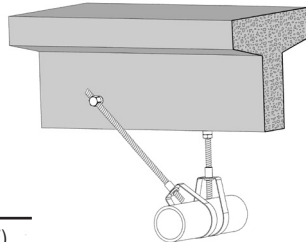


- Restrained Pipe Size:** Up to Schedule 40 pipe 2" or less
- Max Length of Restraint Material:** See Maximum Horizontal Load Tables below.
- Maximum Angle:** 45° from horizontal
- Material:** Carbon Steel
- Screw Description (SWDR 1-1/2):** 12-24 X 1-1/2" Tek® 5
- Finish (SWDR 1-1/2):** Electro-Zinc (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. <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)

## 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      |



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