

# Snap 'N Shield pipe support solution



*Powering Business Worldwide*

# Snap 'N Shield for strut channel

## Features and benefits

- Fast, easy installation – snaps onto strut channel; up to 60% quicker than traditional metal shields
- No tools required
- Horizontal installation attachment feature to minimize the need to lift the pipe during installation
- Tight snap-on fit design helps eliminate shield movement which helps prevent insulation damage
- Tapered lip end design helps protect insulation from damage that can be caused by sharp edge of traditional saddles
- High sidewalls are designed to contain refrigerant liquid lines for efficient system installation
- Designed for side-by-side installation to help minimize costs in high density applications
- Wide mounting flange to allow for optional self-tapping screws
- MSS standards require 12" of surface contact for pipe sizes up to 4". All sizes of Snap 'N Shield™ have 12" of surface contact
- Built-in cable tie grooves
- UL Classified for US and Canada
- Patent(s) pending



## Pipe support technical specifications

### Applications:

Strut or trapeze mounted horizontal pipe runs for refrigeration, air conditioning and plumbing

### Certification:

- UL classified for USA UL723 (ASTM E84) and UL classified for Canada per CAN/ULC S102.2
- Material is FDA compliant, RoHS compliant, CA Proposition 65 compliant

### Available colors:

- Black (B)
- White (W)

### Material:

Prime grade of high-impact copolymer polypropylene

- UV resistant
- Operating temperature -40° to 178°F
- Paintable
- Custom textured interior shield surface to allow for thermal expansion of insulated piping

| Black Support Catalog # | White Support Catalog # | Inside Opening |      | Weight/C |      |
|-------------------------|-------------------------|----------------|------|----------|------|
|                         |                         | Inches         | (mm) | Lbs.     | (kg) |
| BPS200B                 | BPS200W                 | 2.35"          | 60   | 21.5     | 9.8  |
| BPS300B                 | BPS300W                 | 3.46"          | 88   | 29.8     | 13.5 |
| BPS400B                 | BPS400W                 | 4.50"          | 114  | 38.1     | 17.3 |
| BPS500B                 | BPS500W                 | 5.52"          | 140  | 46.4     | 21.0 |
| BPS600B                 | BPS600W                 | 6.50"          | 165  | 55.1     | 25.0 |
| BPS800B                 | BPS800W                 | 8.64"          | 220  | 75.3     | 34.2 |

Note: Works with B-Line series strut catalog numbers B22, B24, B52A and B54A

# Pipe support for refrigeration, air conditioning and plumbing



Snap 'N Shield pipe support strut trapeze application



Clevis hanger

Band hanger

Snap 'N Shield pipe support hanger application

## Sizing tables\*

| Sch. 40/80 Pipe | Insulation Thickness |        |        |        |        |
|-----------------|----------------------|--------|--------|--------|--------|
|                 | 1/2"                 | 3/4"   | 1"     | 1 1/2" | 2"     |
| 1/4"            | BP_200               | BP_200 | BP_300 | BP_400 | BP_500 |
| 3/8"            | BP_200               | BP_200 | BP_300 | BP_400 | BP_500 |
| 1/2"            | BP_200               | BP_200 | BP_300 | BP_400 | BP_500 |
| 3/4"            | BP_200               | BP_300 | BP_300 | BP_400 | BP_500 |
| 1"              | BP_200               | BP_300 | BP_300 | BP_400 | BP_500 |
| 1 1/4"          | BP_300               | BP_300 | BP_400 | BP_500 | BP_600 |
| 1 1/2"          | BP_300               | BP_300 | BP_400 | BP_500 | BP_600 |
| 2"              | BP_300               | BP_400 | BP_400 | BP_500 | BP_600 |
| 2 1/2"          | BP_400               | BP_400 | BP_500 | BP_600 | BP_800 |
| 3"              | BP_400               | BP_500 | BP_500 | BP_600 | BP_800 |
| 3 1/2"          | BP_500               | BP_500 | BP_600 | BP_800 | BP_800 |
| 4"              | BP_500               | BP_600 | BP_600 | BP_800 | BP_800 |
| 5"              | BP_800               | BP_800 | BP_800 | BP_800 | —      |
| 6"              | BP_800               | BP_800 | BP_800 | —      | —      |

| Copper Tubing Size | Insulation Thickness |        |        |        |        |
|--------------------|----------------------|--------|--------|--------|--------|
|                    | 1/2"                 | 3/4"   | 1"     | 1 1/2" | 2"     |
| 1/4"               | BP_200               | BP_200 | BP_300 | BP_300 | BP_400 |
| 3/8"               | BP_200               | BP_200 | BP_300 | BP_400 | BP_400 |
| 1/2"               | BP_200               | BP_200 | BP_300 | BP_400 | BP_500 |
| 5/8"               | BP_200               | BP_200 | BP_300 | BP_400 | BP_500 |
| 3/4"               | BP_200               | BP_300 | BP_300 | BP_400 | BP_500 |
| 1"                 | BP_200               | BP_300 | BP_300 | BP_400 | BP_500 |
| 1 1/4"             | BP_300               | BP_300 | BP_300 | BP_400 | BP_500 |
| 1 1/2"             | BP_300               | BP_300 | BP_400 | BP_500 | BP_600 |
| 2"                 | BP_300               | BP_400 | BP_400 | BP_500 | BP_600 |
| 2 1/2"             | BP_400               | BP_400 | BP_500 | BP_600 | BP_800 |
| 3"                 | BP_400               | BP_500 | BP_500 | BP_600 | BP_800 |
| 3 1/2"             | BP_500               | BP_500 | BP_600 | BP_800 | BP_800 |
| 4"                 | BP_500               | BP_600 | BP_600 | BP_800 | BP_800 |
| 5"                 | BP_600               | BP_800 | BP_800 | BP_800 | —      |
| 6"                 | BP_800               | BP_800 | BP_800 | —      | —      |

\*Part sizing is the same for both hanger and strut attachments. Replace underscore with "S" for strut or "CH" for clevis hanger. For example: BPS600 for strut or BPCH600 for clevis hanger.

# Snap 'N Shield for pipe hangers



## Features and benefits

- Innovative, one-piece snap-on design for fast, easy installation onto clevis and band hangers
- No tools required
- Helps eliminate shield movement which helps prevent insulation damage
- Tapered end lip design helps protect insulation from damage that can be caused by sharp edge of traditional saddles
- High sidewalls are designed to contain refrigerant liquid lines for efficient system installation
- MSS standards require 12" of surface contact for pipe sizes up to 4". All sizes of Snap 'N Shield™ have 12" of surface contact
- Built-in cable tie grooves
- UL Classified for US and Canada
- Patent(s) pending



## Pipe support technical specifications

### Applications:

Clevis or band hangers used in horizontal pipe runs for refrigeration, air conditioning and plumbing

### Certification:

- UL classified for USA UL723 (ASTM E84) and UL classified for Canada per CAN/ULC-S102.2
- Material is FDA compliant, RoHS compliant, CA Proposition 65 compliant

### Available colors:

- Black (B)
- White (W)

### Material:

Prime grade of high-impact copolymer polypropylene

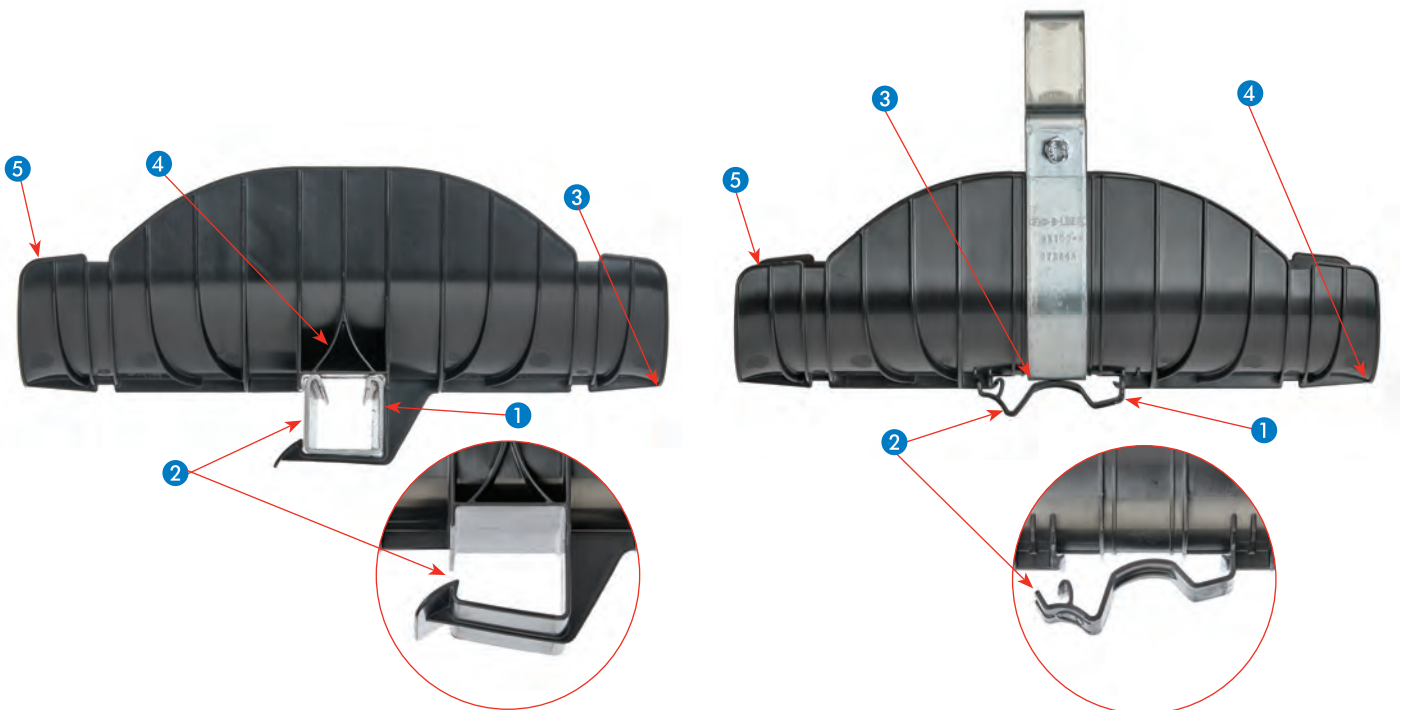
- UV resistant
- Operating temperature -40° to 178°F
- Paintable
- Custom textured interior shield surface to allow for thermal expansion of insulated piping

| Black Support Catalog # | White Support Catalog # | Inside Opening |      | Weight/C |      |
|-------------------------|-------------------------|----------------|------|----------|------|
|                         |                         | Inches         | (mm) | Lbs.     | (kg) |
| BPCH200B                | BPCH200W                | 2.35"          | 60   | 18.3     | 8.3  |
| BPCH300B                | BPCH300W                | 3.46"          | 88   | 25.2     | 11.4 |
| BPCH400B                | BPCH400W                | 4.50"          | 114  | 31.9     | 14.5 |
| BPCH500B                | BPCH500W                | 5.52"          | 140  | 38.4     | 17.4 |
| BPCH600B                | BPCH600W                | 6.50"          | 165  | 45.0     | 20.4 |
| BPCH800B                | BPCH800W                | 8.64"          | 220  | 59.8     | 27.1 |

| Clevis Shield | Appropriate Clevis Hanger | Appropriate Band Hanger |
|---------------|---------------------------|-------------------------|
| BPCH200       | B3100-2"                  | Fig. 200-2"             |
| BPCH300       | B3100-3"                  | Fig. 200-3"             |
| BPCH400       | B3100-4"                  | Fig. 200-4"             |
| BPCH500       | B3100-5"                  | Fig. 200-5"             |
| BPCH600       | B3100-6"                  | Fig. 200-6"             |
| BPCH800       | B3100-8"                  | Fig. 200-8"             |

# Enhanced Snap 'N Shield pipe support solution for insulation protection

- Fast, easy installation – snaps onto strut channel
- Contact area to strut increased by more than 15% on most common sizes creating a more secure fit
- Approximately 15% more insulation contact area to more evenly distribute load
- Structural ribs improve crush rating by more than 25% at strut attachment



## Strut version

- 1 Tighter fit limits shield movement along the strut lessening the need for self-tapping screw
- 2 Horizontal installation attachment feature to minimize the need to lift the pipe during installation
- 3 MSS standards require 12" of surface contact for pipe sizes up to 4". All sizes of Snap 'N Shield™ have 12" of surface contact
- 4 Integral structural ribs distribute the load efficiently between the pipe and strut support
- 5 Larger shield diameters allow for a greater number of pipe and insulation combinations
- 6 Works with B-Line series strut catalog numbers B22, B24, B52A and B54A

## Hanger version

- 1 One-piece design for easy attachment
- 2 Innovative retaining strap provides secure hanger connection, integral to the shield
- 3 Sized to fit both clevis and band hangers
- 4 MSS standards require 12" of surface contact for pipe sizes up to 4". All sizes of Snap 'N Shield™ have 12" of surface contact
- 5 Larger shield diameters allow for a greater number of pipe and insulation combinations

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**Eaton**  
509 West Monroe Street  
Highland, IL 62249  
United States  
800-851-7415  
[Eaton.com/snap-n-shield](http://Eaton.com/snap-n-shield)

**Eaton**  
1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
[Eaton.com](http://Eaton.com)

B-Line Division  
509 West Monroe Street  
Highland, IL 62249

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