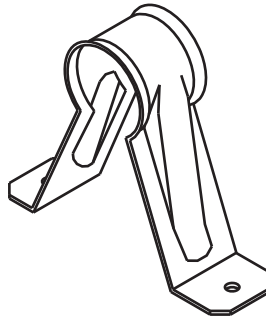




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## 514 CPVC - STEEL - COPPER OFFSET HANGER



**SIZE** - 3/4" thru 3" pipe.

**MATERIAL** - Carbon Steel.

**FINISH** - Mil. Galvanized..

**LISTING/APPROVAL** -

 **203 - EX 4231, EX 2551**

**PATENT** - No. 6,648,278.

**FUNCTION** - 3/4"-2" Hanger/restrainer for horizontal CPVC, **Copper** or **Steel** pipe. Listed hanger/restrainer in all 3 mounting positions, i.e. vertical surface and both top and bottom of horizontal surface. Provides listed vertical/lateral restraint and prevents upward movement of pipe that supplies a pendent sprinkler below a ceiling.

**Size 2 1/2"** Hanger for horizontal CPVC pipe. Listed hanger in all 3 mounting positions. i.e. vertical surface and both top and bottom of horizontal surface.

**Size 3"** Hanger for horizontal CPVC pipe in two mounting positions, side and bottom. i.e. vertical surface and bottom of horizontal surface.

Stabilizes vertical piping by providing horizontal restraint.

**INSTALLATION** - Per NFPA 13, 13R, 13D and CPVC manufacturers instructions.

Space by pipe type. - See Drawings.

Snap over pipe then squeeze strap back allowing pipe to slide freely.

When #905 threads are exposed in wood, install #906 backing nut.

**SPECIAL NOTE:** When installing on CPVC sprinkler system pipe:

Verify that all assembly components are cleaned of any surface oil.

**FASTENERS** - UL Listed per NFPA 13

**WOOD** - 3/4" - 3" CPVC pipe - #905 screw- no pre-drill.  
3/4" - 2" Copper pipe - #905 screw- no pre-drill.  
3/4" - 2" Steel pipe - 1/4"x1 1/2" lag screw - no pre-drill.  
Thru 5/8" gypsum board - 1/4" x 2" lag screw.

**STEEL** - min. 18 GA. - 3/4" - 3" CPVC pipe - 1/4" or #14 Tek Screw.  
3/4" - 2" Copper pipe - 1/4" or #14 Tek Screw.  
3/4" - 2" Steel pipe - 1/4" or #14 Tek Screw.

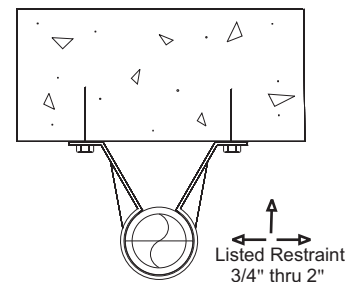
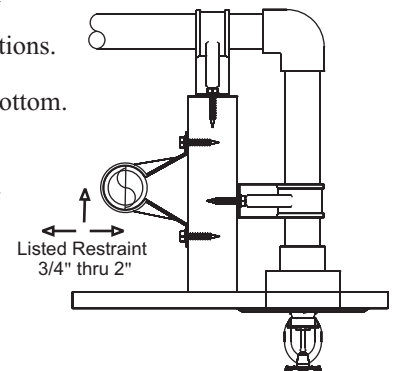
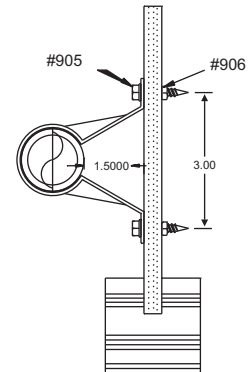
**CONCRETE:** Required minimum load each fastener =  $\frac{5(wt)+250lbs.}{2}$

### FEATURES

- \* 1 1/2" Offset - loose fit allows pipe to slide.
- \* 3/4" and 1" pipe size made with common center-line.
- \* Patented design for superior strength.
- \* Offset edge eliminates abrasion.
- \* AFCON #905 screw has 5/16" hex head - included.

**ORDERING** - Part # and pipe size.

AFCON #906 backing nut sold separately.



Specific AFCON products are exclusively designed to be compatible **ONLY** with other AFCON products including parts and fasteners, resulting in a listed sway brace, restrainer or hanger assembly. **Be advised** the following warranty restriction will apply. **DISCLAIMER** - AFCON will **NOT** warrant against the failure of its products when used in combination with other products, parts or systems not manufactured or sold by AFCON. AFCON shall **NOT** be liable under any circumstances whatsoever for any direct or indirect, incidental or consequential damages of any kind, including but not limited to loss of business or profit, when non-AFCON products have been, or are used.

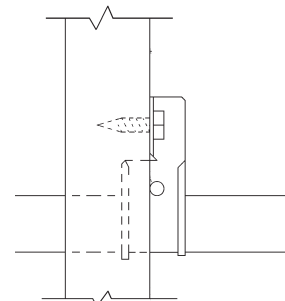
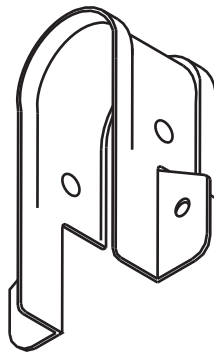




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511

## CPVC - COPPER SIDE MOUNT HANGER



Side View - For  
Drawings Below

**SIZE** - 3/4" thru 2" pipe.

**MATERIAL** - Carbon Steel.

**FINISH** - Mil. Galvanized.

**LISTING/APPROVAL** -

 **203 - EX 4231, EX 2551**

**FUNCTION** - Hanger on CPVC and Copper pipe.

**INSTALLATION** - Per NFPA 13, 13R, 13D and CPVC manufacturers instructions on top or bottom of beam.

Space by pipe type

**SPECIAL NOTE:** When installing on CPVC sprinkler system pipe:

Verify that all assembly components are cleaned of any surface oil.

**FASTENERS** - UL Listed per NFPA 13.

in **WOOD:**

3/4" - 2" CPVC pipe - **#905** screw - no pre-drill.

3/4" - 2" Copper pipe - **#905** screw - no pre-drill.

in **STEEL** - min. 18 GA.

3/4" - 2" CPVC pipe - 1/4" or #14 Tek Screw.

3/4" - 2" Copper pipe - 1/4" or #14 Tek Screw.

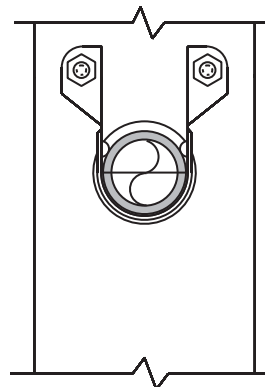
### FEATURES

\* Offset edge eliminates abrasion.

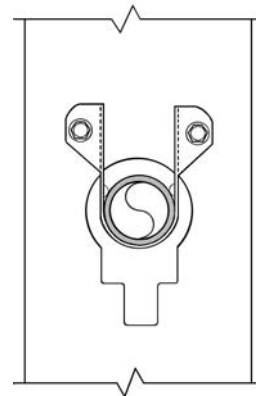
\* Retainer dimples secure hanger to pipe during installation.

\* Required **AFCON #905** screw has 5/16" hex head - included.

**ORDERING** - Part # and pipe size.



Hanger - Wood Stud



Hanger - Metal Stud

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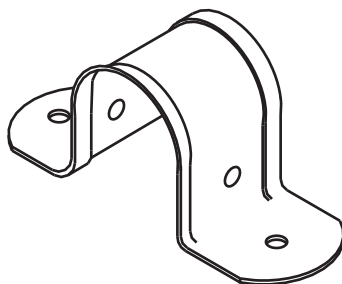




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**510**

## CPVC - STEEL - COPPER HANGER



| 510<br>SIZE | Fastener<br>Dim.<br>Q - Q <sub>1</sub> |
|-------------|----------------------------------------|
| 3/4         | 2.125                                  |
| 1           | 2.312                                  |
| 1 1/4       | 3.170                                  |
| 1 1/2       | 3.400                                  |
| 2           | 4.010                                  |
| 2 1/2       | 4.320                                  |
| 3           | 5.320                                  |

**SIZE** - 3/4" thru 3" pipe - see Function.

**MATERIAL** - Carbon Steel.

**FINISH** - Mil. Galvanized.

**LISTING/APPROVAL** -



**FUNCTION** - To support horizontal piping 3/4" -2" CPVC, Copper or Steel.

To support horizontal piping 2 1/2" -3" CPVC and Copper.

Hanger in listed mounting positions - Top, Bottom or Side.

Also, provides stability on vertical piping.

**INSTALLATION** - Per NFPA 13, 13R, 13D and CPVC manufacturers instructions, mount on top, bottom or side of building element. Space by pipe type.

**FASTENERS** - UL Listed per NFPA 13

in **WOOD**:

3/4" - 3" CPVC pipe - **#905** screw - no pre-drill.

3/4" - 2" Steel and Copper pipe - 1/4"x1 1/2" lag screw - no pre-drill.

in **STEEL** - min. 18 GA.

3/4" - 3" CPVC pipe - 1/4" or #14 Tek Screw.

3/4" - 2" Steel and Copper pipe - 1/4" or #14 Tek Screw.

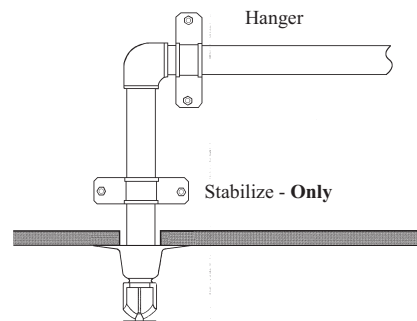
### FEATURES

\* Offset edge eliminates abrasion.

\* Retainer dimples secure hanger to pipe during installation.

\* Required **AFCON #905** screw has 5/16" hex head - included.

**ORDERING** - Part # and pipe size.



**\*CAN ALSO BE USED TO REPLACE - #500 Pipe Strap  
#520 Tin Strap**

Specific **AFCON** products are exclusively designed to be compatible **ONLY** with other **AFCON** products including parts and fasteners, resulting in a listed sway brace, restrainer or hanger assembly. **Be advised** the following warranty restriction will apply. **DISCLAIMER** - **AFCON** will **NOT** warrant against the failure of its products when used in combination with other products, parts or systems not manufactured or sold by **AFCON**. **AFCON** shall **NOT** be liable under any circumstances whatsoever for any direct or indirect, incidental or consequential damages of any kind, including but not limited to loss of business or profit, when non-**AFCON** products have been, or are used.

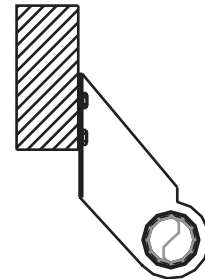
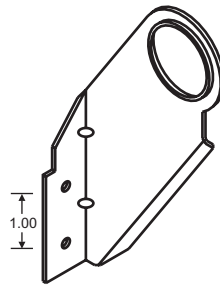
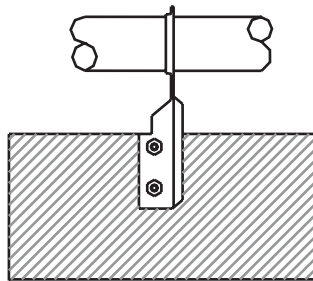




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515

## DOUBLE OFFSET C.P.V.C. HANGER



**SIZE** - 3/4" and 1" pipe.

**MATERIAL** - Carbon Steel.

**FINISH** - Mil. Galvanized.

**LISTING/APPROVAL** -

 **203 - EX 4231**

**PATENT** - No. 6,702,236

**FUNCTION** - Hanger/restrainer for horizontal CPVC pipe.

**INSTALLATION** - Per N.P.F.A 13, 13R and 13D.

**SPECIAL NOTE:** When installing on CPVC sprinkler system pipe:

Verify that all assembly components are cleaned of any surface oil.

**FASTENERS** - UL Listed per NFPA 13.

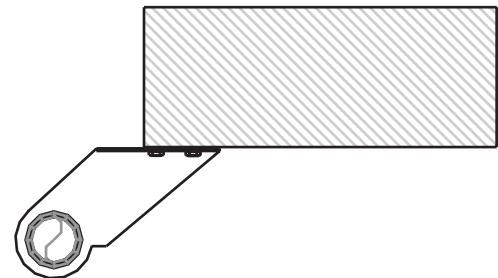
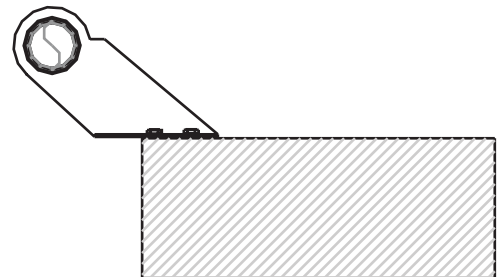
**WOOD:** #904 screw - no pre-drill.

**STEEL:** 1/4" or #14 Tek Screw in min. 20 GA.

### FEATURES

- \* Double 1 1/2" offset - loose fit allows pipe to slide.
- \* Center line matches AFCON #514.
- \* 3/4" and 1" pipe size have common center-line.
- \* Offset edge eliminates abrasion.
- \* Required AFCON #904 screw has 3/8" hex head - included.

**ORDERING** - Part # and pipe size.



Specific AFCON products are exclusively designed to be compatible ONLY with other AFCON products including parts and fasteners, resulting in a listed sway brace, restrainer or hanger assembly. Be advised the following warranty restriction will apply. **DISCLAIMER** - AFCON will NOT warrant against the failure of its products when used in combination with other products, parts or systems not manufactured or sold by AFCON. AFCON shall NOT be liable under any circumstances whatsoever for any direct or indirect, incidental or consequential damages of any kind, including but not limited to loss of business or profit, when non-AFCON products have been, or are used.

## Fig. 22 - Hanger for CPVC Plastic Pipe Single Fastener Strap Type



**Size Range** — 3/4" thru 2" CPVC pipe

**Material** — Carbon Steel, Pre-Galvanized

**Function** — Intended to perform as a hanger to support only CPVC piping used in automatic fire sprinkler systems. The product acts as a hanger when tab is upward and the fastener screw is in the horizontal position. Figure 22 can be installed on the top of a beam, but in this situation acts as a guide to the piping which is supported by the beam itself. It is not intended to support CPVC pipe from under a flat horizontal surface, such as a ceiling. For this type of installation, use the TOLCO™ Fig. 23, Double Fastener Strap for CPVC Piping. Fig. 22, when inverted, with the hanger tab downward, can function as a restrainer to prevent the upward movement of the sprinkler head during activation.

**Approvals** — Underwriters' Laboratories Listed in the USA (**UL**) and Canada (**cUL**) to support fire sprinkler piping. Meets and exceeds the requirements of NFPA 13, 13R and 13D.

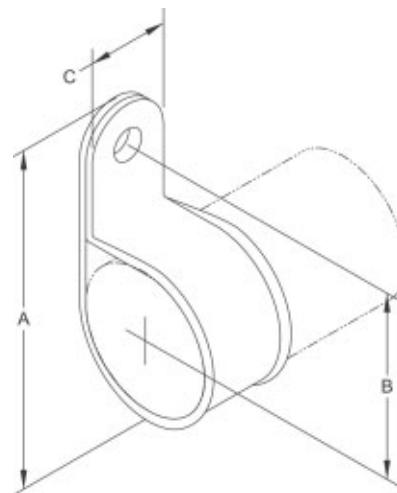
**Features** — Fig. 22 incorporates features which protect the pipe and ease installation. The flared edge design\* protects CPVC pipe from any rough surface. It is easily attached to the building structure using the special UL Listed hex head self threading screw furnished with the product, this is the minimum size fastener acceptable. It is recommended that rechargeable electric drills fitted with a hex socket attachment to be used as installation tools. No impact tools (such as a hammer) or impact fasteners (such as drive screws or nails) are allowed. Damage has been known to result from installations using impact type tools. No pre-drilling of a pilot hole in wood is required.

**Finish** — Pre-Galvanized

**Note** — Fastener into light gauge metal may be ordered separately. Minimum acceptable: #10 x 1" Hardened Self Threading Screw with 5/16" hex washer head.

**Order By** — Figure number and CPVC pipe size.

\* Patent Pending



### Dimensions • Weights

| CPVC Pipe Size                | A                               | B                              | C                              | Max. Hanger Spacing (Ft.)     | Fastener Hex Head Size | Approx. Wt./100 |
|-------------------------------|---------------------------------|--------------------------------|--------------------------------|-------------------------------|------------------------|-----------------|
| 3/4                           | 2 <sup>7</sup> / <sub>16</sub>  | 1 <sup>5</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>2</sub> | 5/16                   | 9               |
| 1                             | 2 <sup>11</sup> / <sub>16</sub> | 1 <sup>7</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>16</sub> | 6                             | 5/16                   | 9               |
| 1 <sup>1</sup> / <sub>4</sub> | 3 <sup>1</sup> / <sub>16</sub>  | 1 <sup>5</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>16</sub> | 6 <sup>1</sup> / <sub>2</sub> | 5/16                   | 11              |
| 1 <sup>1</sup> / <sub>2</sub> | 3 <sup>5</sup> / <sub>16</sub>  | 1 <sup>3</sup> / <sub>4</sub>  | 1 <sup>3</sup> / <sub>16</sub> | 7                             | 5/16                   | 12              |
| 2                             | 3 <sup>3</sup> / <sub>4</sub>   | 2 <sup>1</sup> / <sub>8</sub>  | 1 <sup>3</sup> / <sub>16</sub> | 8                             | 5/16                   | 15              |

## Fig. 23 - Hanger for CPVC Plastic Pipe Double Fastener Strap Type



**Size Range** — 3/4" thru 2" CPVC pipe

**Material** — Carbon Steel, Pre-Galvanized

**Function** — Intended to perform as a hanger/restrainer to support only CPVC piping used in automatic fire sprinkler systems. Can be installed on the top or on the bottom of a beam. The Fig. 23 can also be installed on the side of a beam. The Fig. 23 can also function as a restrainer to prevent the upward movement of the sprinkler head during activation.

**Approvals** — Underwriters' Laboratories Listed in the USA (**UL**) and Canada (**cUL**) to support fire sprinkler piping. Meets and exceeds the requirements of NFPA 13, 13R and 13D.

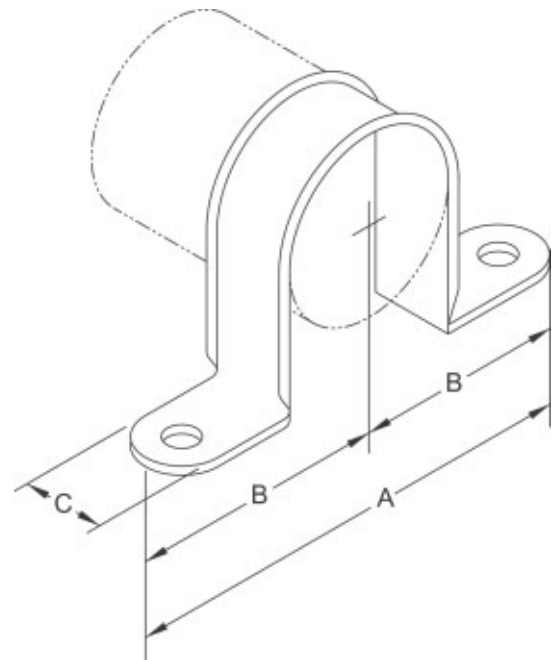
**Features** — Fig. 23 incorporates features which protect the pipe and ease installation. The flared edge design\* protects the CPVC pipe from any rough surface. It also incorporates snap restrainers allowing easier and faster installation. Easily attaches to the building structure using the two UL Listed hex head self threading screws\*\* furnished with the product. It is recommended that rechargeable electric drills fitted with a hex socket attachment be used as installation tools. No impact tools (such as a hammer) or impact fasteners (such as drive screws or nails) are allowed. Damage has been known to result from installations using impact type tools. No pre-drilling of a pilot hole in wood is required.

**Finish** — Pre-Galvanized

**Order By** — Figure number and pipe size

\* Patent Pending

\*\* Hardened hex head self threading screw is furnished with the product and is the minimum fastener size acceptable.



### Dimensions • Weights

| CPVC Pipe Size                | A                              | B                               | C                              | Max. Hanger Spacing (Ft.)     | Fastener Hex Head Size | Approx. Wt./100 |
|-------------------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------------|------------------------|-----------------|
| 3/4                           | 3 <sup>1</sup> / <sub>8</sub>  | 1 <sup>9</sup> / <sub>16</sub>  | 1 <sup>3</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>2</sub> | 5/16                   | 9               |
| 1                             | 3 <sup>3</sup> / <sub>8</sub>  | 1 <sup>11</sup> / <sub>16</sub> | 1 <sup>3</sup> / <sub>16</sub> | 6                             | 5/16                   | 9               |
| 1 <sup>1</sup> / <sub>4</sub> | 4 <sup>3</sup> / <sub>16</sub> | 2 <sup>3</sup> / <sub>32</sub>  | 1 <sup>3</sup> / <sub>16</sub> | 6 <sup>1</sup> / <sub>2</sub> | 5/16                   | 11              |
| 1 <sup>1</sup> / <sub>2</sub> | 4 <sup>7</sup> / <sub>16</sub> | 2 <sup>7</sup> / <sub>32</sub>  | 1 <sup>3</sup> / <sub>16</sub> | 7                             | 5/16                   | 12              |
| 2                             | 4 <sup>7</sup> / <sub>8</sub>  | 2 <sup>7</sup> / <sub>16</sub>  | 1 <sup>3</sup> / <sub>16</sub> | 8                             | 5/16                   | 15              |

## Fig. 24 - Hanger for CPVC Plastic Pipe Double Fastener Strap Type - Side Mount



**Size Range** — 3/4" thru 2" CPVC pipe

**Material** — Carbon Steel, Pre-Galvanized

**Function** — Intended to perform as a hanger/restrainer to support only CPVC piping used in automatic fire sprinkler systems. Can be installed on the top or on the bottom of a beam. The Fig. 24 can also function as a restrainer to prevent the upward movement of the sprinkler head during activation.

**Approvals** — Underwriters' Laboratories Listed in the USA (**UL**) and Canada (**cUL**) to support fire sprinkler piping. Meets and exceeds the requirements of NFPA 13, 13R and 13D.

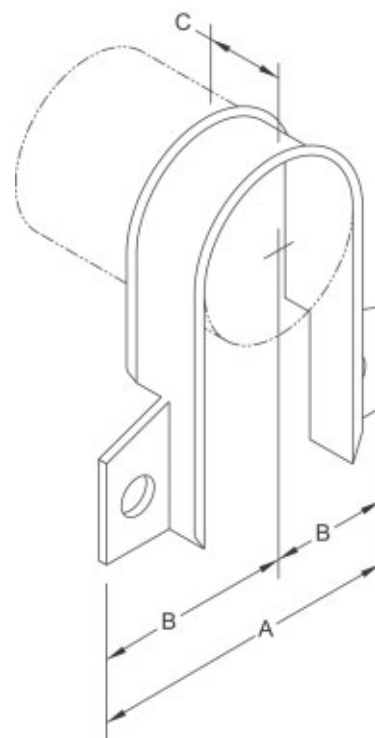
**Features** — Fig. 24 incorporates features which protect the pipe and ease installation. The flared edge design\* protects the CPVC pipe from any rough surface. Easily attaches to the building structure using the two UL Listed hex head self threading screws\*\* furnished with the product. It is recommended that rechargeable electric drills fitted with a hex socket attachment be used as installation tools. No impact tools (such as a hammer) or impact fasteners (such as drive screws or nails) are allowed. Damage has been known to result from installations using impact type tools. No pre-drilling of a pilot hole in wood is required.

**Finish** — Pre-Galvanized

**Order By** — Figure number and pipe size

\* Patent Pending

\*\* Hardened hex head self threading screw is furnished with the product and is the minimum fastener size acceptable.



### Dimensions • Weights

| CPVC Pipe Size                | A                               | B                               | C                              | Max. Hanger Spacing (Ft.)     | Fastener Hex Head Size | Approx. Wt./100 |
|-------------------------------|---------------------------------|---------------------------------|--------------------------------|-------------------------------|------------------------|-----------------|
| 3/4                           | 2 <sup>5</sup> / <sub>16</sub>  | 1 <sup>5</sup> / <sub>32</sub>  | 1 <sup>3</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>2</sub> | 5/16                   | 9               |
| 1                             | 2 <sup>5</sup> / <sub>8</sub>   | 1 <sup>5</sup> / <sub>16</sub>  | 1 <sup>3</sup> / <sub>16</sub> | 6                             | 5/16                   | 9               |
| 1 <sup>1</sup> / <sub>4</sub> | 3                               | 1 <sup>1</sup> / <sub>2</sub>   | 1 <sup>3</sup> / <sub>16</sub> | 6 <sup>1</sup> / <sub>2</sub> | 5/16                   | 11              |
| 1 <sup>1</sup> / <sub>2</sub> | 3 <sup>3</sup> / <sub>4</sub>   | 1 <sup>5</sup> / <sub>8</sub>   | 1 <sup>3</sup> / <sub>16</sub> | 7                             | 5/16                   | 12              |
| 2                             | 3 <sup>11</sup> / <sub>16</sub> | 1 <sup>27</sup> / <sub>32</sub> | 1 <sup>3</sup> / <sub>16</sub> | 8                             | 5/16                   | 15              |