

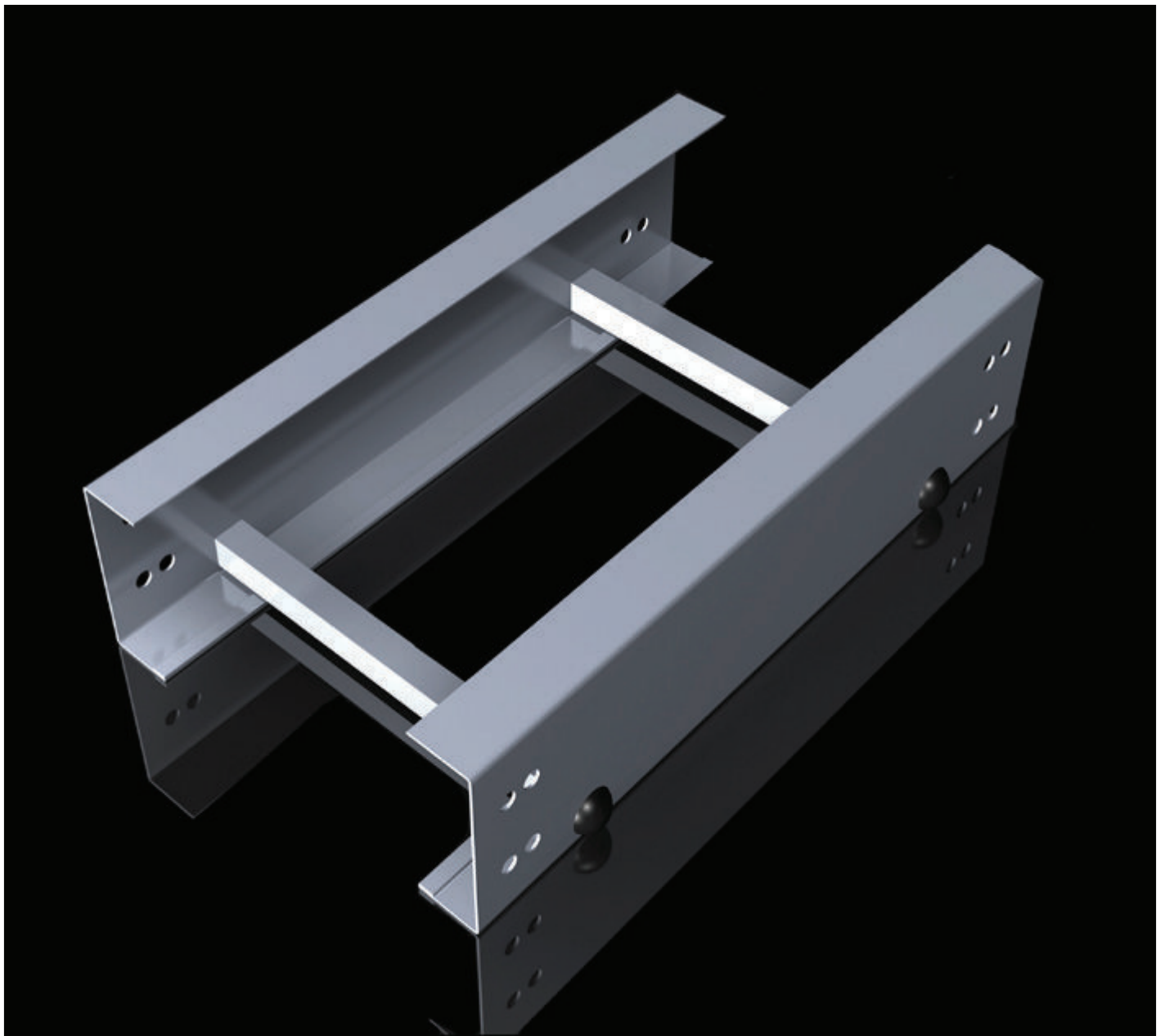


**MP HUSKY™**  
CABLE TRAY & CABLE BUS

## Husky Fiberglass

### *Cable Tray*

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For more than 30 years, MP Husky's Fiberglass Cable Tray systems have been tested and proven in the harsh environment of the offshore oil and gas industry. Our tray has stood up to the test of being exposed to the corrosive conditions inherent in petroleum products, plus the daily punishment of exposure to wind, weather and salt water. MP Husky Fiberglass Cable Tray gives you the load capacity of steel, plus the inherent characteristics afforded by our Pultrusion Technology: non-conductive, non-magnetic and corrosion-resistant. Although light in weight, the strength to weight ratio surpasses that of equivalent steel products. Husky Fiberglass Cable Tray will not rust, nor does it ever require painting. It is available in both polyester and vinylester resin systems, manufactured to meet ASTM E-84, Class 1 Flame Rating and self-extinguishing requirements of ASTM D-635. Husky's Fiberglass Cable Tray comes in gray or blue (polyester resin) and beige (vinylester resin) but is available in custom colors upon request.



## Load Data

### Effect of Temperature

Strength properties of reinforced plastics are reduced when continuously exposed to elevated temperatures. Working loads shall be reduced based on the following:

| Temperature in<br>Degrees F | Approximate Percent<br>of Strength |
|-----------------------------|------------------------------------|
| 75                          | 100                                |
| 100                         | 90                                 |
| 125                         | 78                                 |
| 150                         | 68                                 |
| 175                         | 60                                 |
| 200                         | 52                                 |

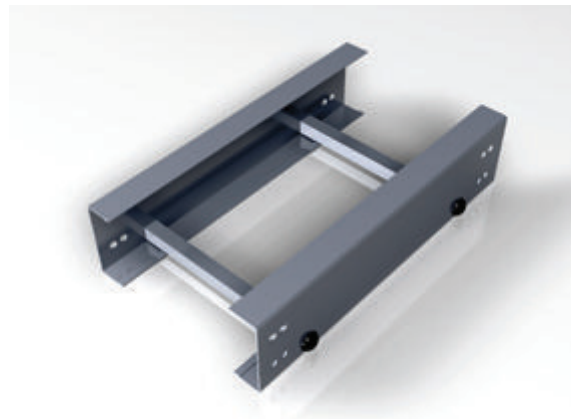
NEMA FG-1 Latest Edition. If unusual temperature conditions exist, please consult the manufacturer.



## Typical Properties of Pultruded Components

MP Husky's Fiberglass Cable Tray systems are manufactured from glass fiber-reinforced plastic shapes that meet ASTM E-84, Class 1 Flame Rating and self-extinguishing requirements of ASTM D-635. A surface veil is applied during pultrusion to insure a resin-rich surface and ultraviolet resistance.

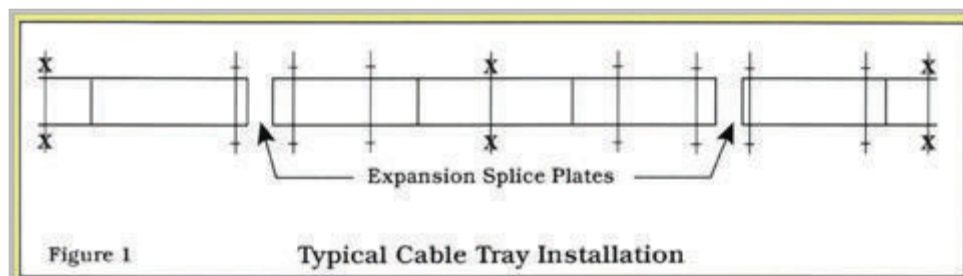
| Properties                                                       | Test Method | Unit / Value          | 3" & 4" Cable Tray,<br>Cable Channel |            | 6" Cable Tray          |            |
|------------------------------------------------------------------|-------------|-----------------------|--------------------------------------|------------|------------------------|------------|
|                                                                  |             |                       | Longitudinal                         | Transverse | Longitudinal           | Transverse |
| Tensile Strength                                                 | ASTM D638   | Psi                   | 30,000                               | 7,000      | 40,000                 | 4,500      |
| Tensile Modulus                                                  | ASTM D638   | Psi x 10 <sup>6</sup> | 2.5                                  | .8         | 3.2                    | .6         |
| Flexural Strength                                                | ASTM D790   | psi                   | 30,000                               | 10,000     | 40,000                 | 10,000     |
| Flexural Modulus                                                 | ASTM D790   | Psi x 10 <sup>6</sup> | 1.6                                  | .8         | 2.1                    | .8         |
| Izod Impact                                                      | ASTM D256   | ft-lbs/in             | 28                                   | 4          | 28                     | 4          |
| Compressive Strength                                             | ASTM D695   | Psi                   | 30,000                               | 15,000     | 40,000                 | 10,000     |
| Compressive Modulus                                              | ASTM D695   | Psi x 10 <sup>6</sup> | 2.5                                  | 1.0        | 3.2                    | .7         |
| Barcol Hardness                                                  | ASTM D2583  | ---                   | 45                                   | 45         | 45                     | 45         |
| Shear Strength                                                   | ASTM D732   | Psi                   | 5,500                                | 5,500      | 5,500                  | 5,500      |
| Density                                                          | ASTM D1505  | Lbs/in <sup>3</sup>   | .058-.062                            | ---        | .072-.076              | ---        |
| Coefficient of Thermal Expansion                                 | ASTM D696   | In/in/°F              | 5.0x10 <sup>-6</sup>                 | ---        | 5.0x10 <sup>-6</sup>   | ---        |
| Water Absorption                                                 | ASTM D570   | Max %                 | 0.5                                  | ---        | 0.5                    | ---        |
| Dielectric Strength                                              | ASTM D149   | v/mil                 | 200                                  | ---        | 200                    | ---        |
| Flammability Classification                                      | UL94        | (vpm)                 | ---                                  | ---        | ---                    | ---        |
| Flame Spread                                                     | ASTM E-84   | VO<br>20 Max          | ---                                  | ---        | ---                    | ---        |
| <b>Flame Resistance (FTMS 406-2023) ignition / burn, seconds</b> |             |                       |                                      |            | <b>75 / 75</b>         |            |
| <b>Intermittent Flame Test rating (HLT-15)</b>                   |             |                       |                                      |            | <b>100</b>             |            |
| <b>Flammability Test (ASTM D635) Ignition Burning Time</b>       |             |                       |                                      |            | <b>None<br/>0 sec.</b> |            |





## Cable Tray Thermal Contraction and Expansion

It is important that thermal contraction and expansion be considered when installing cable tray systems. The length of the straight cable tray runs and the temperature differential govern the number of expansion splice plates required (see Table 1). The cable tray should be anchored at the support nearest to its midpoint between the expansion splice plates and secured by expansion guides at all other support locations (See Figure 1). The cable tray should be permitted longitudinal movement in both directions from that fixed point.

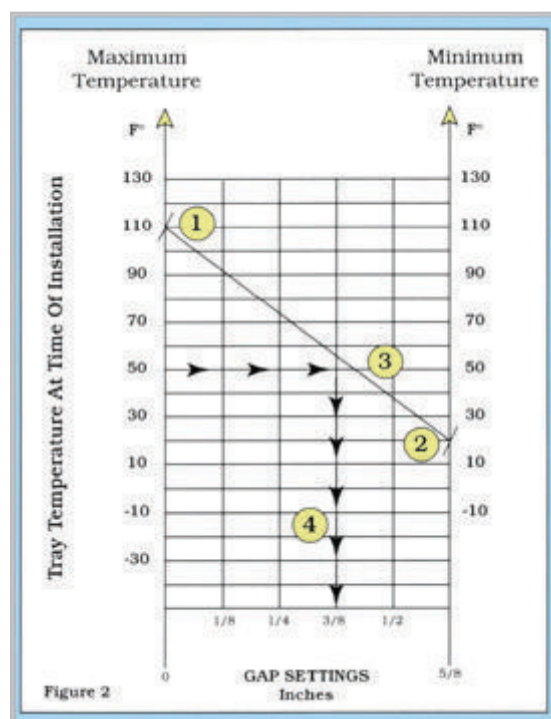


| Table 1                                                      |                                       |                                              |
|--------------------------------------------------------------|---------------------------------------|----------------------------------------------|
| Expansion or Contraction for Various Temperature Differences |                                       |                                              |
| Temperature Differential<br>°F                               | Cable Tray Length<br>for 1" Expansion | Each Tray Length for<br>Expansion Connector* |
| 25                                                           | 667 Feet                              | 417 Feet                                     |
| 50                                                           | 333 Feet                              | 208 Feet                                     |
| 75                                                           | 222 Feet                              | 139 Feet                                     |
| 100                                                          | 167 Feet                              | 104 Feet                                     |
| 125                                                          | 133 Feet                              | 83 Feet                                      |
| 150                                                          | 111 Feet                              | 69 Feet                                      |
| 175                                                          | 95 Feet                               | 59 Feet                                      |

Note for gap set and hold down/guide location, see installation instruction above.  
\*1" slotted holes in each expansion connector allow 5/8" total expansion or contraction.

Accurate gap setting at the time of installation is necessary for the proper operation of the expansion splice plates. The following procedure should assist the installer in determining the correct gap (see Figure 2):

1. Plot the highest expected tray temperature on the maximum temperature line
2. Plot the lowest expected tray temperature on the minimum temperature line
3. Draw a line between the maximum and minimum points
4. Plot the tray temperature at the time of installation to determine the gap setting



## Cable Tray Installation Guide

*Installation of MP Husky Fiberglass Cable Tray should be made in accordance with the standards set by NEMA Publication VE-2 latest edition and National Electrical Code, Article 392.*

- ◆ Always observe common safety practices when assembling tray and fittings. Installations generally require some field cutting. Dust created during fabrication presents no serious health hazard, but skin irritation may be experienced by some workers.
- ◆ Operators of saws and drills should wear masks, long sleeve shirts, or coveralls.
- ◆ Fabrication with Husky Fiberglass is relatively easy and comparable to working with wood. Ordinary hand tools may be used in most cases.
- ◆ Avoid excessive pressure when sawing or drilling. Too much force can rapidly dull tools and also produce excessive heat which softens the bonding resin in the Husky Fiberglass, resulting in a ragged edge rather than a clean-cut edge.
- ◆ Field cutting is simple and can be accomplished with a circular power saw with an abrasive cut-off wheel (masonry type) or hack saw (24 to 32 teeth per inch).
- ◆ Drill Husky Fiberglass as you would drill hard wood. Standard twist drills are more than adequate.
- ◆ Any surface that has been drilled, cut, sanded or otherwise broken, **must be sealed** with a compatible resin.
- ◆ Carbide tipped saw blades and drill bits are recommended when cutting large quantities.
- ◆ Support the Husky Fiberglass material firmly during cutting operations to keep material from shifting, which may cause chipping at the cut edge.
- ◆ Each tray section length should be equal to or greater than the support span.
- ◆ When possible, the splice should be located within the quarter span.
- ◆ Fittings should be supported as per NEMA VE-2.





| CHEMICAL<br>ENVIROMENT | POLYESTER    |                      | VINYLESTER   |                 |
|------------------------|--------------|----------------------|--------------|-----------------|
|                        | Max<br>Wt. % | Max Oper.<br>Temp *F | Max<br>Wt. % | Max<br>Temp. *F |
| Acetic Acid            | 10           | 190                  | 10           | 210             |
| Acetic Acid            | 50           | 125                  | 50           | 180             |
| Acetone                | N/R          | N/R                  | 100          | 75              |
| Aluminum Chloride      | SAT          | 170                  | SAT          | 200             |
| Aluminum Hydroxide     | SAT          | 160                  | SAT          | 170             |
| Aluminum Nitrate       | SAT          | 150                  | SAT          | 170             |
| Aluminum Sulfate       | SAT          | 180                  | SAT          | 200             |
| Ammonium Chloride      | SAT          | 170                  | SAT          | 190             |
| Ammonium Hydroxide     | 1            | 100                  | 10           | 150             |
| Ammonium Hydroxide     | 28           | N/R                  | 28           | 100             |
| Ammonium Carbonate     | N/R          | N/R                  | SAT          | 150             |
| Ammonium Bicarbonate   | 15           | 125                  | SAT          | 130             |
| Ammonium Nitrate       | SAT          | 160                  | SAT          | 190             |
| Ammonium Per sulfate   | SAT          | N/R                  | SAT          | 150             |
| Ammonium Sulfate       | SAT          | 170                  | SAT          | 200             |
| Amyl Alcohol           | ALL          | N/R                  | ALL          | 90              |
| Amyl Alcohol Vapor     | —            | 140                  | —            | 120             |
| Benzene                | N/R          | N/R                  | 100          | 140             |
| Benzene Sulfonic Acid  | 25           | 110                  | SAT          | 200             |
| Benzoic Acid           | SAT          | 150                  | SAT          | 200             |
| Benzoyl Alcohol        | 100          | N/R                  | 100          | N/R             |
| Borax                  | SAT          | 170                  | SAT          | 200             |
| Calcium Carbonate      | SAT          | 170                  | SAT          | 200             |
| Calcium Chloride       | SAT          | 170                  | SAT          | 200             |
| Calcium Hydroxide      | 25           | 70                   | 25           | 165             |
| Calcium Nitrate        | SAT          | 180                  | SAT          | 200             |
| Calcium Sulfate        | SAT          | 180                  | SAT          | 200             |
| Carbon Disulfide       | N/R          | N/R                  | N/R          | N/R             |
| Carbonic Acid          | SAT          | 130                  | SAT          | 180             |
| Carbon Dioxide Gas     | —            | 200                  | —            | 200             |
| Carbon Monoxide Gas    | —            | 200                  | —            | 200             |
| Carbon Tetrachloride   | N/R          | N/R                  | 100          | 75              |
| Chloride, Dry Gas      | —            | 140                  | —            | 170             |
| Chloride, Wet Gas      | —            | N/R                  | —            | 180             |
| Chlorine Water         | SAT          | 80                   | SAT          | 180             |



| CHEMICAL<br>ENVIROMENT | POLYESTER    |                      | VINYLESTER   |                 |
|------------------------|--------------|----------------------|--------------|-----------------|
|                        | Max<br>Wt. % | Max Oper.<br>Temp *F | Max<br>Wt. % | Max<br>Temp. *F |
| Chromic Acid           | 5            | 70                   | 10           | 120             |
| Citric Acid            | SAT          | 170                  | SAT          | 200             |
| Copper Chloride        | SAT          | 170                  | SAT          | 200             |
| Copper Cyanide         | SAT          | 170                  | SAT          | 200             |
| Copper Nitrate         | SAT          | 170                  | SAT          | 200             |
| Crude Oil, Sour        | 100          | 170                  | 100          | 200             |
| Cyclohexane            | N/R          | N/R                  | N/R          | N/R             |
| Cyclohexane, Vapor     | ALL          | 100                  | ALL          | 130             |
| Diesel Fuel            | 100          | 160                  | 100          | 180             |
| Diethyl Ether          | N/R          | N/R                  | N/R          | N/R             |
| Dimethly Phthalate     | N/R          | N/R                  | N/R          | N/R             |
| Ethanol                | 50           | 75                   | 50           | 90              |
| Ethyl Acetate          | N/R          | N/R                  | N/R          | N/R             |
| Ethylene Chloride      | N/R          | N/R                  | N/R          | N/R             |
| Ethylene Glycol        | 100          | 90                   | 100          | 200             |
| Fatty Acids            | SAT          | 180                  | SAT          | 200             |
| Ferric Chloride        | SAT          | 170                  | SAT          | 200             |
| Ferric nitrate         | SAT          | 170                  | SAT          | 200             |
| Ferric Sulfate         | SAT          | 170                  | SAT          | 200             |
| Ferrous Chloride       | SAT          | 170                  | SAT          | 200             |
| Fluoboric Acid         | N/R          | N/R                  | SAT          | 165             |
| Fluosilicic Acid       | N/R          | N/R                  | SAT          | 70              |
| Formaldehyde           | 50           | 75                   | 50           | 100             |
| Formic Acid            | N/R          | N/R                  | 50           | 100             |
| Gasoline               | 100          | 80                   | 100          | 150             |
| Glucose                | 100          | 170                  | 100          | 200             |
| Glycerin               | 100          | 150                  | 100          | 200             |
| Heptanes               | 100          | 110                  | 100          | 200             |
| Hexane                 | 100          | 90                   | 100          | 130             |
| Hydrotropic Acid       | 50           | 120                  | 50           | 120             |
| Hydrochloric Acid      | 10           | 150                  | 10           | 200             |
| Hydrochloric Acid      | 20           | 140                  | 20           | 190             |
| Hydrochloric Acid      | 37           | 75                   | 37           | 95              |
| Hydrochloric Acid      | N/R          | N/R                  | 15           | 80              |
| Hydrogen Bromide, Dry  | 100          | 190                  | 100          | 200             |



| <b>CHEMICAL<br/>ENVIROMENT</b> | <b>POLYESTER</b>     |                              | <b>VINYLESTER</b>    |                         |
|--------------------------------|----------------------|------------------------------|----------------------|-------------------------|
|                                | <b>Max<br/>Wt. %</b> | <b>Max Oper.<br/>Temp *F</b> | <b>Max<br/>Wt. %</b> | <b>Max<br/>Temp. *F</b> |
| Hydrogen Bromide, Wet          | 100                  | 75                           | 100                  | 130                     |
| Hydrogen Chloride              | —                    | 120                          | —                    | 200                     |
| Hydrogen Peroxide              | 5                    | 100                          | 30                   | 100                     |
| Hydrogen Sulfide, Dry          | 100                  | 170                          | 100                  | 210                     |
| Hydrogen Sulfide, Wet          | 100                  | 170                          | 100                  | 210                     |
| Hypochlorus Acid               | 20                   | 80                           | 20                   | 150                     |
| Isopropyl Alcohol              | N/R                  | N/R                          | 15                   | 80                      |
| Kerosene                       | 100                  | 140                          | 100                  | 180                     |
| Lactic Acid                    | SAT                  | 170                          | SAT                  | 200                     |
| Lead Acetate                   | SAT                  | 170                          | SAT                  | 200                     |
| Lead Chloride                  | SAT                  | 140                          | SAT                  | 200                     |
| Lead Nitrate                   | SAT                  | —                            | SAT                  | 200                     |
| Linseed Oil                    | 100                  | 150                          | 100                  | 190                     |
| Lithium Chloride               | SAT                  | 150                          | SAT                  | 190                     |
| Magnesium Carbonate            | SAT                  | 140                          | SAT                  | 170                     |
| Magnesium Chloride             | SAT                  | 170                          | SAT                  | 200                     |
| Magnesium Hydroxide            | SAT                  | 150                          | SAT                  | 190                     |
| Magnesium Nitrate              | SAT                  | 140                          | SAT                  | 180                     |
| Magnesium Sulfate              | SAT                  | 170                          | SAT                  | 190                     |
| Mercuric Chloride              | SAT                  | 150                          | SAT                  | 190                     |
| Mercurous Chloride             | SAT                  | 140                          | SAT                  | 180                     |
| Methyl Ethyl Ketene            | N/R                  | N/R                          | N/R                  | N/R                     |
| Mineral Oils                   | 100                  | 170                          | 100                  | 200                     |
| Monochlorobenze                | N/R                  | N/R                          | N/R                  | N/R                     |
| Naphtha                        | 100                  | 140                          | 100                  | 170                     |
| Nickel Chloride                | SAT                  | 170                          | SAT                  | 200                     |
| Nickel Nitrate                 | SAT                  | 170                          | SAT                  | 200                     |
| Nickel Sulfate                 | SAT                  | 170                          | SAT                  | 200                     |
| Nitric Acid                    | 5                    | 140                          | 5                    | 150                     |
| Nitric Acid                    | 20                   | 70                           | 20                   | 100                     |
| Oleic Acid                     | 100                  | 170                          | 100                  | 190                     |
| Oxalic Acid                    | ALL                  | 75                           | ALL                  | 120                     |
| Paper Mill Liquors             | —                    | 100                          | —                    | 120                     |
| Perchlorethylene               | 100                  | N/R                          | 100                  | N/R                     |
| Perchloric Acid                | N/R                  | N/R                          | 10                   | 150                     |
| Perchloric Acid                | N/R                  | N/R                          | 30                   | 80                      |
| Phosporic Acid                 | 10                   | 160                          | 10                   | 200                     |
| Phosporic Acid                 | 100                  | 120                          | 100                  | 200                     |
| Potassium Aluminum Sulfate     | SAT                  | 170                          | SAT                  | 200                     |
| Potassium Bicarbonate          | 50                   | 80                           | 50                   | 140                     |
| Potassium Carbonate            | 10                   | N/R                          | 10                   | 120                     |
| Potassium Chloride             | SAT                  | 170                          | SAT                  | 200                     |
| Potassium Dichromate           | SAT                  | 170                          | SAT                  | 200                     |



|                        | POLYESTER    |                      | VINYLESTER   |                 |
|------------------------|--------------|----------------------|--------------|-----------------|
| CHEMICAL<br>ENVIROMENT | Max<br>Wt. % | Max Oper.<br>Temp *F | Max<br>Wt. % | Max<br>Temp. *F |
| Potassium Hydroxide    | N/R          | N/R                  | 25           | 150             |
| Potassium Nitrate      | SAT          | 170                  | SAT          | 200             |
| Potassium Permanganate | 100          | 80                   | 100          | 210             |
| Potassium Sulfate      | SAT          | 170                  | SAT          | 200             |
| Propylene Glycol       | ALL          | 170                  | ALL          | 200             |
| Phthalic Acid          | —            | —                    | SAT          | 200             |
| Sodium Acetate         | SAT          | 160                  | SAT          | 200             |
| Sodium Bicarbonate     | SAT          | 160                  | SAT          | 175             |
| Sodium Bisulfate       | ALL          | 170                  | ALL          | 200             |
| Sodium Bromide         | ALL          | 170                  | ALL          | 200             |
| Sodium Carbonate       | 10           | 80                   | 35           | 160             |
| Sodium Chloride        | SAT          | 170                  | SAT          | 200             |
| Sodium Cyanide         | SAT          | 170                  | SAT          | 200             |
| Sodium Hydroxide       | N/R          | N/R                  | 50           | 150             |
| Sodium Hydroxide       | N/R          | N/R                  | 25           | 80              |
| Sodium Hypochloride    | N/R          | N/R                  | 10           | 150             |
| Sodium Monophosphate   | SAT          | 170                  | SAT          | 200             |
| Sodium Nitrate         | SAT          | 170                  | SAT          | 200             |
| Sodium Sulfate         | SAT          | 170                  | SAT          | 200             |
| Sodium Thiosulfate     | ALL          | 100                  | ALL          | 120             |
| Stannic Chloride       | SAT          | 160                  | SAT          | 190             |
| Styrene                | N/R          | N/R                  | N/R          | N/R             |
| Sulfated Detergent     | 0/50         | 170                  | 0/50         | 200             |
| Sulfur Dioxide         | 100          | 80                   | 100          | 200             |
| Sulfur Trioxide        | 100          | 80                   | 100          | 200             |
| Sulfuric Acid          | 93           | N/R                  | 93           | N/R             |
| Sulfuric Acid          | 50           | N/R                  | 50           | 180             |
| Sulfuric Acid          | 25           | 75                   | 25           | 190             |
| Sulfurous Acid         | SAT          | 80                   | N/R          | N/R             |
| Tartaric Acid          | SAT          | 170                  | SAT          | 200             |
| Tetrachloroethylene    | N/R          | N/R                  | FUM          | 75              |
| Toluene                | N/R          | N/R                  | N/R          | N/R             |
| Trisodium Phosphate    | N/R          | N/R                  | SAT          | 175             |
| Urea                   | SAT          | 130                  | SAT          | 140             |
| Vinegar                | 100          | 170                  | 100          | 200             |
| Water, Distilled       | 100          | 170                  | 100          | 190             |
| Water, Tap             | 100          | 170                  | 100          | 190             |
| Water, Sea             | SAT          | 170                  | SAT          | 190             |
| Xylene                 | N/R          | N/R                  | N/R          | N/R             |
| Zinc Chloride          | SAT          | 170                  | SAT          | 200             |
| Zinc Nitrate           | SAT          | 170                  | SAT          | 200             |
| Zinc Sulfate           | SAT          | 170                  | SAT          | 200             |



### Numbering System

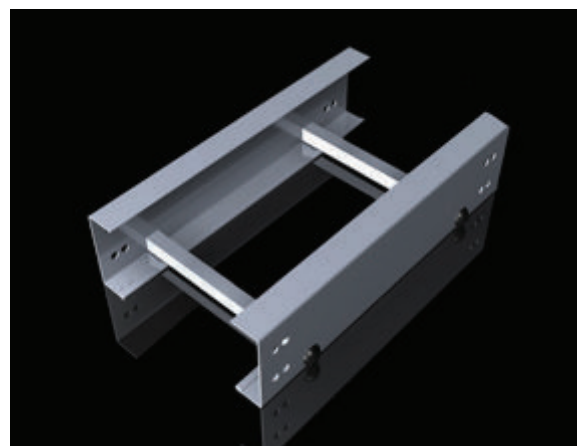
| 6BP-09-24-120                                                                       |                                                   |                          |                                               |                            |
|-------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------|-----------------------------------------------|----------------------------|
| 6B                                                                                  | P-                                                | 09-                      | 24-                                           | 240                        |
| Series                                                                              | Material                                          | Rung Spacing             | Width                                         | Length                     |
| 6"<br>(6B, 6C, H6C)<br>Based on NEMA<br>classification—see next<br>page for details | P=Polyester<br>Resin<br><br>V=Vinylester<br>Resin | 06"<br>09"<br>12"<br>18" | 06"<br>09"<br>12"<br>18"<br>24"<br>30"<br>36" | 120 (10ft.)<br>240 (20ft.) |

### How to Order Husky Fiberglass Cable Tray:

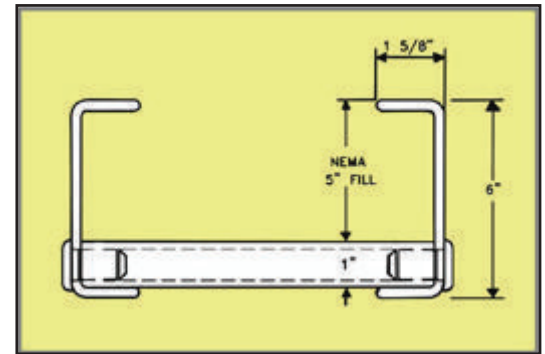
1. Select the correct MP Husky Series Cable Tray using the Load Data for straight sections shown in the appropriate tabbed section for 6", 4" and 3" Cable Tray. **(Example: 6BP-09-24-240 would be for NEMA 20B tray).**
2. Select the resin required. Refer to the Corrosion Guide on pages 215-218 of the Technical Data Section for the effect of environmental conditions on the desired material. This section also contains the temperature range for our tray.
3. The tray prefix is completed by inserting the rung spacing.
4. The fourth box contains the straight section width in inches.
5. The fifth box contains the straight section length in inches.

#### Please note:

**One pair of splice plates with hardware is included.  
Fittings are available in molded or mitered design.**



To obtain deflection at any span length for lighter loads than listed, multiply the load by the K factor. When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%.



| Husky Series 6B / NEMA 20B                     |       |       |       | Safety Factor 1.5 |       |
|------------------------------------------------|-------|-------|-------|-------------------|-------|
| Span (Ft.)                                     | 12    | 14    | 16    | 18                | 20    |
| Design Load Lbs./Ft.                           | 254   | 186   | 143   | 113               | 91    |
| Deflection                                     | 1.6   | 2.2   | 2.8   | 3.6               | 4.4   |
| K Factor                                       | 0.006 | 0.012 | 0.020 | 0.032             | 0.048 |
| <i>*Tested per NEMA FG-1, 12" rung spacing</i> |       |       |       |                   |       |

| Husky Series 6C / NEMA 20C                     |       |       |       | Safety Factor 1.5 |       |
|------------------------------------------------|-------|-------|-------|-------------------|-------|
| Span (Ft.)                                     | 12    | 14    | 16    | 18                | 20    |
| Design Load Lbs./Ft.                           | 356   | 262   | 200   | 158               | 128   |
| Deflection                                     | 1.6   | 2.2   | 2.9   | 3.7               | 4.6   |
| K Factor                                       | 0.004 | 0.008 | 0.015 | 0.023             | 0.136 |
| <i>*Tested per NEMA FG-1, 12" rung spacing</i> |       |       |       |                   |       |

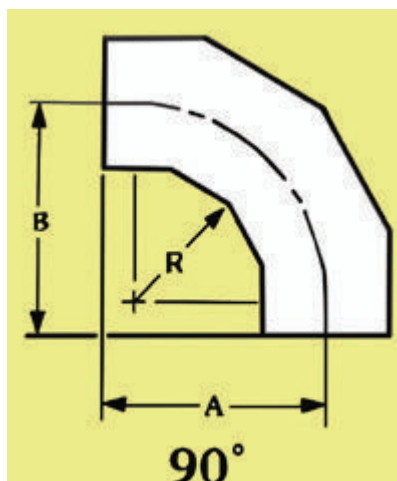
| Husky Series H6C / NEMA 20C |       |       |       | Safety Factor 1.5 |       |
|-----------------------------|-------|-------|-------|-------------------|-------|
| Span (Ft.)                  | 12    | 14    | 16    | 18                | 20    |
| Design Load Lbs./Ft.        | 386   | 283   | 217   | 171               | 139   |
| Deflection                  | 1.8   | 2.4   | 3.2   | 4.0               | 5.0   |
| K Factor                    | 0.005 | 0.008 | 0.015 | 0.023             | 0.036 |

| Husky Series H6C/ NEMA 20C |       |       |       | Safety Factor 2.0 |       |
|----------------------------|-------|-------|-------|-------------------|-------|
| Span (Ft.)                 | 12    | 14    | 16    | 18                | 20    |
| Design Load Lbs./Ft.       | 289   | 212   | 163   | 129               | 104   |
| Deflection                 | 1.3   | 1.8   | 2.4   | 3.0               | 3.7   |
| K Factor                   | 0.004 | 0.008 | 0.015 | 0.023             | 0.036 |

*Loading—NEMA 20C \*tested per NEMA FG-1, 12" rung spacing*

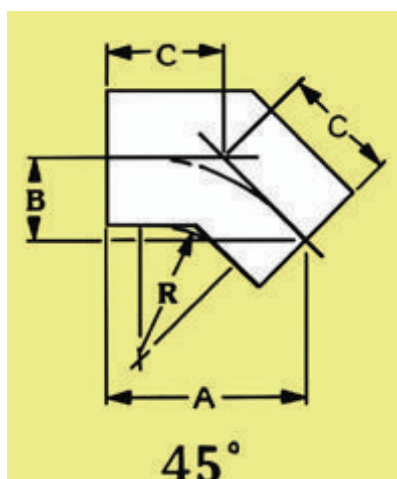


## 90° Horizontal Bend Dimensions



| -R- Bend Radius (in.) | Tray Width (in.) | Catalog Number      | A Inches | B Inches |
|-----------------------|------------------|---------------------|----------|----------|
| 12                    | 6                | (Prefix)-06-90HB-12 | 20-3/8   | 20-3/8   |
|                       | 9                | (Prefix)-09-90HB-12 | 21-7/8   | 21-7/8   |
|                       | 12               | (Prefix)-12-90HB-12 | 22-3/8   | 22-3/8   |
|                       | 18               | (Prefix)-18-90HB-12 | 26-3/8   | 26-3/8   |
|                       | 24               | (Prefix)-24-90HB-12 | 29-3/8   | 29-3/8   |
|                       | 30               | (Prefix)-30-90HB-12 | 32-3/8   | 32-3/8   |
|                       | 36               | (Prefix)-36-90HB-12 | 35-3/8   | 35-3/8   |
| 24                    | 6                | (Prefix)-06-90HB-24 | 34-1/4   | 34-1/4   |
|                       | 9                | (Prefix)-09-90HB-24 | 35-3/4   | 35-3/4   |
|                       | 12               | (Prefix)-12-90HB-24 | 37-1/4   | 37-1/4   |
|                       | 18               | (Prefix)-18-90HB-24 | 40-1/4   | 40-1/4   |
|                       | 24               | (Prefix)-24-90HB-24 | 43-1/4   | 43-1/4   |
|                       | 30               | (Prefix)-30-90HB-24 | 46-1/4   | 46-1/4   |
|                       | 36               | (Prefix)-36-90HB-24 | 49-1/4   | 49-1/4   |
| 36                    | 6                | (Prefix)-06-90HB-36 | 46-1/4   | 46-1/4   |
|                       | 9                | (Prefix)-09-90HB-36 | 47-3/4   | 47-3/4   |
|                       | 12               | (Prefix)-12-90HB-36 | 49-1/4   | 49-1/4   |
|                       | 18               | (Prefix)-18-90HB-36 | 52-1/4   | 52-1/4   |
|                       | 24               | (Prefix)-24-90HB-36 | 55-1/4   | 55-1/4   |
|                       | 30               | (Prefix)-30-90HB-36 | 58-1/4   | 58-1/4   |
|                       | 36               | (Prefix)-36-90HB-36 | 61-1/4   | 61-1/4   |

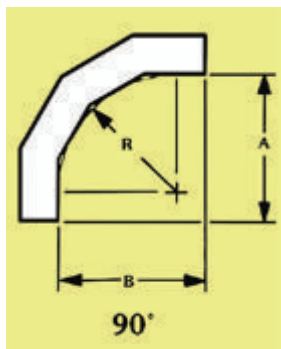
## 45° Horizontal Bend Dimensions



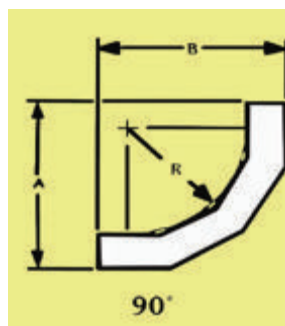
| -R- Bend Radius (in.) | Tray Width (in.) | Catalog Number      | A Inches | B Inches | C Inches |
|-----------------------|------------------|---------------------|----------|----------|----------|
| 12                    | 6                | (Prefix)-06-45HB-12 | 22-13/16 | 9-7/16   | 13-3/8   |
|                       | 9                | (Prefix)-09-45HB-12 | 23-7/8   | 9-7/8    | 14       |
|                       | 12               | (Prefix)-12-45HB-12 | 24-7/8   | 10-5/16  | 14-5/8   |
|                       | 18               | (Prefix)-18-45HB-12 | 27-1/16  | 11-3/16  | 15-7/8   |
|                       | 24               | (Prefix)-24-45HB-12 | 29-3/16  | 12-1/16  | 17-1/8   |
|                       | 30               | (Prefix)-30-45HB-12 | 31-5/16  | 13       | 18-3/8   |
|                       | 36               | (Prefix)-36-45HB-12 | 33-7/16  | 13-7/8   | 19-9/16  |
| 24                    | 6                | (Prefix)-06-45HB-24 | 24-3/16  | 10-1/16  | 14-3/16  |
|                       | 9                | (Prefix)-09-45HB-24 | 25-1/4   | 10-1/2   | 14-13/16 |
|                       | 12               | (Prefix)-12-45HB-24 | 26-5/16  | 10-15/16 | 15-7/16  |
|                       | 18               | (Prefix)-18-45HB-24 | 28-7/16  | 11-13/16 | 16-11/16 |
|                       | 24               | (Prefix)-24-45HB-24 | 30-9/16  | 12-11/16 | 17-15/16 |
|                       | 30               | (Prefix)-30-45HB-24 | 32-11/16 | 13-9/16  | 19-3/16  |
|                       | 36               | (Prefix)-36-45HB-24 | 34-13/16 | 14-7/16  | 20-3/8   |
| 36                    | 6                | (Prefix)-06-45HB-36 | 32-5/8   | 13-1/2   | 19-1/8   |
|                       | 9                | (Prefix)-09-45HB-36 | 33-11/16 | 13-15/16 | 19-3/4   |
|                       | 12               | (Prefix)-12-45HB-36 | 34-3/4   | 14-3/8   | 20-3/8   |
|                       | 18               | (Prefix)-18-45HB-36 | 36-7/8   | 15-1/4   | 21-5/8   |
|                       | 24               | (Prefix)-24-45HB-36 | 39       | 16-3/16  | 22-7/8   |
|                       | 30               | (Prefix)-30-45HB-36 | 41-1/8   | 17-1/16  | 24-1/8   |
|                       | 36               | (Prefix)-36-45HB-36 | 43-1/4   | 17-15/16 | 25-5/16  |

Available in molded or mitered

## 90° Vertical Bend



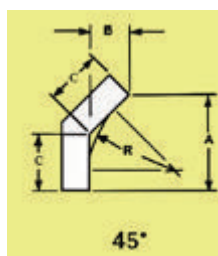
### Vertical Outside Bend (\*Insert VO)



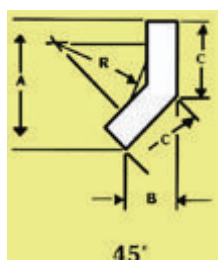
### Vertical Inside Bend (\*Insert VI)

|                      |                  |                      | Vertical Outside Bend |        | Vertical Inside Bend |         |
|----------------------|------------------|----------------------|-----------------------|--------|----------------------|---------|
| -R-Bend Radius (in.) | Tray Width (in.) | Catalog Number       | A In.                 | B In.  | A In.                | B In.   |
| 12                   | 6                | (Prefix)-06-90(*)-12 | 20-5/8                | 20-5/8 | 27-1/16              | 27-1/16 |
|                      | 9                | (Prefix)-09-90(*)-12 |                       |        |                      |         |
|                      | 12               | (Prefix)-12-90(*)-12 |                       |        |                      |         |
|                      | 18               | (Prefix)-18-90(*)-12 |                       |        |                      |         |
|                      | 24               | (Prefix)-24-90(*)-12 |                       |        |                      |         |
|                      | 30               | (Prefix)-30-90(*)-12 |                       |        |                      |         |
|                      | 36               | (Prefix)-36-90(*)-12 |                       |        |                      |         |
| 24                   | 6                | (Prefix)-06-90(*)-24 | 31-1/4                | 31-1/4 | 37-1/4               | 37-1/4  |
|                      | 9                | (Prefix)-09-90(*)-24 |                       |        |                      |         |
|                      | 12               | (Prefix)-12-90(*)-24 |                       |        |                      |         |
|                      | 18               | (Prefix)-18-90(*)-24 |                       |        |                      |         |
|                      | 24               | (Prefix)-24-90(*)-24 |                       |        |                      |         |
|                      | 30               | (Prefix)-30-90(*)-24 |                       |        |                      |         |
|                      | 36               | (Prefix)-36-90(*)-24 |                       |        |                      |         |
| 36                   | 6                | (Prefix)-06-90(*)-36 | 43                    | 43     | 49-1/2               | 49-1/2  |
|                      | 9                | (Prefix)-09-90(*)-36 |                       |        |                      |         |
|                      | 12               | (Prefix)-12-90(*)-36 |                       |        |                      |         |
|                      | 18               | (Prefix)-18-90(*)-36 |                       |        |                      |         |
|                      | 24               | (Prefix)-24-90(*)-36 |                       |        |                      |         |
|                      | 30               | (Prefix)-30-90(*)-36 |                       |        |                      |         |
|                      | 36               | (Prefix)-36-90(*)-36 |                       |        |                      |         |

## 45° Vertical Bend



**Vertical Outside Bend**  
**(\*Insert VO)**



**Vertical Inside  
Bend  
(\*Insert VI)**

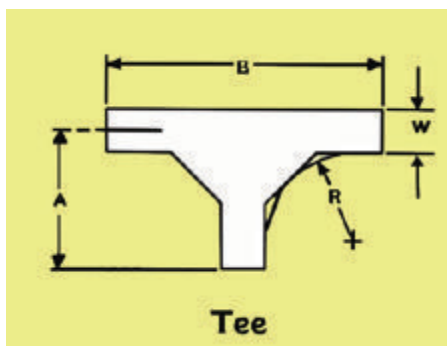
| al Bend                        |                        |                      | Vertical Outside Bend |          |          | Vertical Inside Bend |          |          |
|--------------------------------|------------------------|----------------------|-----------------------|----------|----------|----------------------|----------|----------|
| -R-<br>Bend<br>Radius<br>(in.) | Tray<br>Width<br>(in.) | Catalog<br>Number    | A<br>In.              | B<br>In. | C<br>In. | A<br>In.             | B<br>In. | C<br>In. |
| 12                             | 6                      | (Prefix)-06-45(*)-12 | 20-1/2                | 8-1/2    | 12       | 24-3/4               | 10-1/4   | 14-1/2   |
|                                | 9                      | (Prefix)-09-45(*)-12 |                       |          |          |                      |          |          |
|                                | 12                     | (Prefix)-12-45(*)-12 |                       |          |          |                      |          |          |
|                                | 18                     | (Prefix)-18-45(*)-12 |                       |          |          |                      |          |          |
|                                | 24                     | (Prefix)-24-45(*)-12 |                       |          |          |                      |          |          |
|                                | 30                     | (Prefix)-30-45(*)-12 |                       |          |          |                      |          |          |
| 24                             | 6                      | (Prefix)-06-45(*)-24 | 22-1/4                | 9-1/8    | 12-15/16 | 26-5/16              | 10-15/16 | 15-7/16  |
|                                | 9                      | (Prefix)-09-45(*)-24 |                       |          |          |                      |          |          |
|                                | 12                     | (Prefix)-12-45(*)-24 |                       |          |          |                      |          |          |
|                                | 18                     | (Prefix)-18-45(*)-24 |                       |          |          |                      |          |          |
|                                | 24                     | (Prefix)-24-45(*)-24 |                       |          |          |                      |          |          |
|                                | 30                     | (Prefix)-30-45(*)-24 |                       |          |          |                      |          |          |
| 36                             | 6                      | (Prefix)-06-45(*)-36 | 30-9/16               | 12-11/16 | 17-15/16 | 34-13/16             | 14-7/16  | 20-3/8   |
|                                | 9                      | (Prefix)-09-45(*)-36 |                       |          |          |                      |          |          |
|                                | 12                     | (Prefix)-12-45(*)-36 |                       |          |          |                      |          |          |
|                                | 18                     | (Prefix)-18-45(*)-36 |                       |          |          |                      |          |          |
|                                | 24                     | (Prefix)-24-45(*)-36 |                       |          |          |                      |          |          |
|                                | 30                     | (Prefix)-30-45(*)-36 |                       |          |          |                      |          |          |
| 36                             | 36                     | (Prefix)-36-45(*)-36 |                       |          |          |                      |          |          |

**Note:** Dimensions are for reference only, when critical, contact factory. Available in molded or mitered. \* Insert VO for vertical outside bend or VI for vertical inside bend.



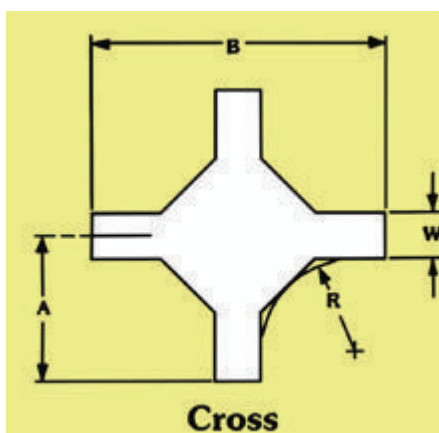
## 6" Horizontal Tee & Cross

### Horizontal Tee



| -R- Bend Radius (in.) | Tray Width (in.) | Catalog Number    | A Inches | B Inches |
|-----------------------|------------------|-------------------|----------|----------|
| 12                    | 6                | (Prefix)-06-HT-12 | 19-1/4   | 38       |
|                       | 9                | (Prefix)-09-HT-12 | 20-3/4   | 41       |
|                       | 12               | (Prefix)-12-HT-12 | 22-1/4   | 44       |
|                       | 18               | (Prefix)-18-HT-12 | 25-1/4   | 50       |
|                       | 24               | (Prefix)-24-HT-12 | 28-1/4   | 56       |
|                       | 30               | (Prefix)-30-HT-12 | 31-1/4   | 62       |
|                       | 36               | (Prefix)-36-HT-12 | 34-1/4   | 68       |
| 24                    | 6                | (Prefix)-06-HT-24 | 34-1/4   | 68-1/2   |
|                       | 9                | (Prefix)-09-HT-24 | 35-3/4   | 71-1/2   |
|                       | 12               | (Prefix)-12-HT-24 | 37-1/4   | 74-1/2   |
|                       | 18               | (Prefix)-18-HT-24 | 40-1/4   | 80-1/2   |
|                       | 24               | (Prefix)-24-HT-24 | 43-1/4   | 86-1/2   |
|                       | 30               | (Prefix)-30-HT-24 | 46-1/4   | 92-1/2   |
|                       | 36               | (Prefix)-36-HT-24 | 49-1/4   | 98-1/2   |
| 36                    | 6                | (Prefix)-06-HT-36 | 46-1/4   | 92-1/2   |
|                       | 9                | (Prefix)-09-HT-36 | 47-3/4   | 95-1/2   |
|                       | 12               | (Prefix)-12-HT-36 | 49-1/4   | 98-1/2   |
|                       | 18               | (Prefix)-18-HT-36 | 52-1/4   | 104-1/2  |
|                       | 24               | (Prefix)-24-HT-36 | 55-1/4   | 110-1/2  |
|                       | 30               | (Prefix)-30-HT-36 | 58-1/4   | 116-1/2  |
|                       | 36               | (Prefix)-36-HT-36 | 61-1/4   | 122-1/2  |

### Cross

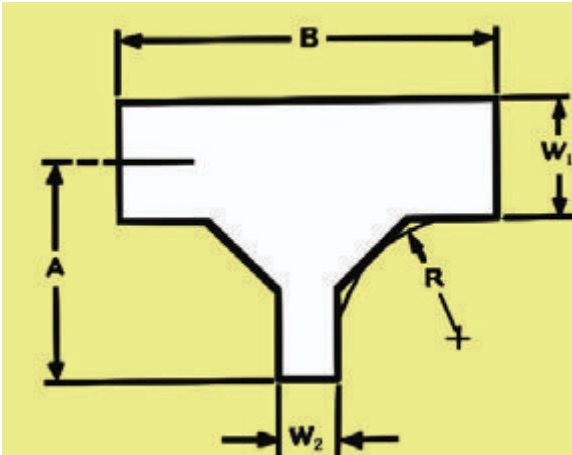


| -R- Bend Radius (in.) | Tray Width (in.) | Catalog Number    | A Inches | B Inches |
|-----------------------|------------------|-------------------|----------|----------|
| 12                    | 6                | (Prefix)-06-HX-12 | 19-1/4   | 38       |
|                       | 9                | (Prefix)-09-HX-12 | 20-3/4   | 41       |
|                       | 12               | (Prefix)-12-HX-12 | 22-1/4   | 44       |
|                       | 18               | (Prefix)-18-HX-12 | 25-1/4   | 50       |
|                       | 24               | (Prefix)-24-HX-12 | 28-1/4   | 56       |
|                       | 30               | (Prefix)-30-HX-12 | 31-1/4   | 62       |
|                       | 36               | (Prefix)-36-HX-12 | 34-1/4   | 68       |
| 24                    | 6                | (Prefix)-06-HX-24 | 34-1/4   | 68-1/2   |
|                       | 9                | (Prefix)-09-HX-24 | 35-3/4   | 71-1/2   |
|                       | 12               | (Prefix)-12-HX-24 | 37-1/4   | 74-1/2   |
|                       | 18               | (Prefix)-18-HX-24 | 40-1/4   | 80-1/2   |
|                       | 24               | (Prefix)-24-HX-24 | 43-1/4   | 86-1/2   |
|                       | 30               | (Prefix)-30-HX-24 | 46-1/4   | 92-1/2   |
|                       | 36               | (Prefix)-36-HX-24 | 49-1/4   | 98-1/2   |
| 36                    | 6                | (Prefix)-06-HX-36 | 46-1/4   | 92-1/2   |
|                       | 9                | (Prefix)-09-HX-36 | 47-3/4   | 95-1/2   |
|                       | 12               | (Prefix)-12-HX-36 | 49-1/4   | 98-1/2   |
|                       | 18               | (Prefix)-18-HX-36 | 52-1/4   | 104-1/2  |
|                       | 24               | (Prefix)-24-HX-36 | 55-1/4   | 110-1/2  |
|                       | 30               | (Prefix)-30-HX-36 | 58-1/4   | 116-1/2  |
|                       | 36               | (Prefix)-36-HX-36 | 61-1/4   | 122-1/2  |

Available in molded or mitered



## 6" Horizontal Reducing Tee



| Tray Width |          | 12" Radius           |         |         |
|------------|----------|----------------------|---------|---------|
| W1 (in.)   | W2 (in.) | Catalog Number       | A (in.) | B (in.) |
| 9          | 6        | (Prefix)-09-06-HT-12 | 20-3/4  | 38      |
| 12         | 6        | (Prefix)-12-06-HT-12 | 22-1/4  | 38      |
|            | 9        | (Prefix)-12-09-HT-12 | 22-1/4  | 41      |
| 18         | 6        | (Prefix)-18-06-HT-12 | 25-1/4  | 38      |
|            | 9        | (Prefix)-18-09-HT-12 | 25-1/4  | 41      |
|            | 12       | (Prefix)-18-12-HT-12 | 25-1/4  | 44      |
| 24         | 6        | (Prefix)-24-06-HT-12 | 28-1/4  | 38      |
|            | 9        | (Prefix)-24-09-HT-12 | 28-1/4  | 41      |
|            | 12       | (Prefix)-24-12-HT-12 | 28-1/4  | 44      |
|            | 18       | (Prefix)-24-18-HT-12 | 28-1/4  | 50      |
| 30         | 6        | (Prefix)-30-06-HT-12 | 31-1/4  | 38      |
|            | 9        | (Prefix)-30-09-HT-12 | 31-1/4  | 41      |
|            | 12       | (Prefix)-30-12-HT-12 | 31-1/4  | 44      |
|            | 18       | (Prefix)-30-18-HT-12 | 31-1/4  | 50      |
|            | 24       | (Prefix)-30-24-HT-12 | 31-1/4  | 56      |
| 36         | 6        | (Prefix)-36-06-HT-12 | 34-1/4  | 38      |
|            | 9        | (Prefix)-36-09-HT-12 | 34-1/4  | 41      |
|            | 12       | (Prefix)-36-12-HT-12 | 34-1/4  | 44      |
|            | 18       | (Prefix)-36-18-HT-12 | 34-1/4  | 50      |
|            | 24       | (Prefix)-36-24-HT-12 | 34-1/4  | 56      |
|            | 30       | (Prefix)-36-30-HT-12 | 34-1/4  | 62      |

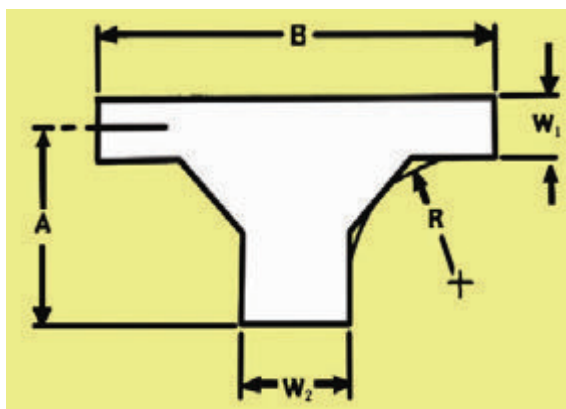
\* = 24 or 36 depending on radius

| Tray Width |          |                     | 24" Radius |         | 36" Radius |         |
|------------|----------|---------------------|------------|---------|------------|---------|
| W1 (in.)   | W2 (in.) | Catalog Number      | A (in.)    | B (in.) | A (in.)    | B (in.) |
| 9          | 6        | (Prefix)-09-06-HT-* | 35-3/4     | 68-1/2  | 47-3/4     | 92-1/2  |
| 12         | 6        | (Prefix)-12-06-HT-* | 37-1/4     | 68-1/2  | 49-1/4     | 92-1/2  |
|            | 9        | (Prefix)-12-09-HT-* | 37-1/4     | 71-1/2  | 49-1/4     | 95-1/2  |
| 18         | 6        | (Prefix)-18-06-HT-* | 40-1/4     | 68-1/2  | 52-1/4     | 92-1/2  |
|            | 9        | (Prefix)-18-09-HT-* | 40-1/4     | 71-1/1  | 52-1/4     | 95-1/2  |
|            | 12       | (Prefix)-18-12-HT-* | 40-1/4     | 74-1/2  | 52-1/4     | 98-1/2  |
| 24         | 6        | (Prefix)-24-06-HT-* | 43-1/4     | 68-1/2  | 55-1/4     | 92-1/2  |
|            | 9        | (Prefix)-24-09-HT-* | 43-1/4     | 71-1/1  | 55-1/4     | 95-1/2  |
|            | 12       | (Prefix)-24-12-HT-* | 43-1/4     | 74-1/2  | 55-1/4     | 98-1/2  |
|            | 18       | (Prefix)-24-18-HT-* | 43-1/4     | 80-1/2  | 55-1/4     | 104-1/2 |
| 30         | 6        | (Prefix)-30-06-HT-* | 46-1/4     | 68-1/2  | 58-1/4     | 92-1/2  |
|            | 9        | (Prefix)-30-09-HT-* | 46-1/4     | 71-1/1  | 58-1/4     | 95-1/2  |
|            | 12       | (Prefix)-30-12-HT-* | 46-1/4     | 74-1/2  | 58-1/4     | 98-1/2  |
|            | 18       | (Prefix)-30-18-HT-* | 46-1/4     | 80-1/2  | 58-1/4     | 104-1/2 |
|            | 24       | (Prefix)-30-24-HT-* | 46-1/4     | 86-1/2  | 58-1/4     | 110-1/2 |
| 36         | 6        | (Prefix)-36-06-HT-* | 49-1/4     | 68-1/2  | 61-1/4     | 92-1/2  |
|            | 9        | (Prefix)-36-09-HT-* | 49-1/4     | 71-1/1  | 61-1/4     | 95-1/2  |
|            | 12       | (Prefix)-36-12-HT-* | 49-1/4     | 74-1/2  | 61-1/4     | 98-1/2  |
|            | 18       | (Prefix)-36-18-HT-* | 49-1/4     | 80-1/2  | 61-1/4     | 104-1/2 |
|            | 24       | (Prefix)-36-24-HT-* | 49-1/4     | 86-1/2  | 61-1/4     | 110-1/2 |
|            | 30       | (Prefix)-36-30-HT-* | 49-1/4     | 92-1/2  | 61-1/4     | 116-1/2 |

Available in molded or mitered



## 6" Horizontal Expanding Tee



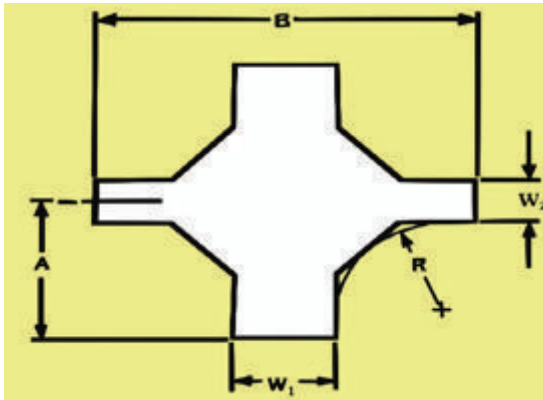
\* = 24 or 36 depending on radius

| Tray Width |          | 12" Radius           |         |         |
|------------|----------|----------------------|---------|---------|
| W1 (in.)   | W2 (in.) | Catalog Number       | A (in.) | B (in.) |
| 6          | 9        | (Prefix)-06-09-HT-12 | 19-1/4  | 41      |
|            | 12       | (Prefix)-06-12-HT-12 | 19-1/4  | 44      |
|            | 18       | (Prefix)-06-18-HT-12 | 19-1/4  | 50      |
|            | 24       | (Prefix)-06-24-HT-12 | 19-1/4  | 56      |
|            | 30       | (Prefix)-06-30-HT-12 | 19-1/4  | 62      |
|            | 36       | (Prefix)-06-36-HT-12 | 19-1/4  | 68      |
| 9          | 12       | (Prefix)-09-12-HT-12 | 20-3/4  | 44      |
|            | 18       | (Prefix)-09-18-HT-12 | 20-3/4  | 50      |
|            | 24       | (Prefix)-09-24-HT-12 | 20-3/4  | 56      |
|            | 30       | (Prefix)-09-30-HT-12 | 20-3/4  | 62      |
|            | 36       | (Prefix)-09-36-HT-12 | 20-3/4  | 68      |
| 12         | 18       | (Prefix)-12-18-HT-12 | 22-1/4  | 50      |
|            | 24       | (Prefix)-12-24-HT-12 | 22-1/4  | 56      |
|            | 30       | (Prefix)-12-30-HT-12 | 22-1/4  | 62      |
|            | 36       | (Prefix)-12-36-HT-12 | 22-1/4  | 68      |
| 18         | 24       | (Prefix)-18-24-HT-12 | 25-1/4  | 56      |
|            | 30       | (Prefix)-18-30-HT-12 | 25-1/4  | 62      |
|            | 36       | (Prefix)-18-36-HT-12 | 25-1/4  | 68      |
| 24         | 30       | (Prefix)-24-30-HT-12 | 28-1/4  | 62      |
|            | 36       | (Prefix)-24-36-HT-12 | 28-1/4  | 68      |
| 30         | 36       | (Prefix)-30-36-HT-12 | 31-1/4  | 68      |

| Tray Width  |             |                     | 24" Radius |            | 36" Radius |            |
|-------------|-------------|---------------------|------------|------------|------------|------------|
| W1<br>(in.) | W2<br>(in.) | Catalog Number      | A<br>(in.) | B<br>(in.) | A<br>(in.) | B<br>(in.) |
| 6           | 9           | (Prefix)-06-09-HT-* | 34-1/4     | 71-1/2     | 46-1/4     | 95-1/2     |
|             | 12          | (Prefix)-06-12-HT-* | 34-1/4     | 74-1/2     | 46-1/4     | 98-1/2     |
|             | 18          | (Prefix)-06-18-HT-* | 34-1/4     | 80-1/2     | 46-1/4     | 104-1/2    |
|             | 24          | (Prefix)-06-24-HT-* | 34-1/4     | 86-1/2     | 46-1/4     | 110-1/2    |
|             | 30          | (Prefix)-06-30-HT-* | 34-1/4     | 92-1/2     | 46-1/4     | 116-1/2    |
|             | 36          | (Prefix)-06-36-HT-* | 34-1/4     | 98-1/2     | 46-1/4     | 122-1/2    |
| 9           | 12          | (Prefix)-09-12-HT-* | 35-3/4     | 74-1/2     | 47-3/4     | 98-1/2     |
|             | 18          | (Prefix)-09-18-HT-* | 35-3/4     | 80-1/2     | 47-3/4     | 104-1/2    |
|             | 24          | (Prefix)-09-24-HT-* | 35-3/4     | 86-1/2     | 47-3/4     | 110-1/2    |
|             | 30          | (Prefix)-09-30-HT-* | 35-3/4     | 92-1/2     | 47-3/4     | 116-1/2    |
|             | 36          | (Prefix)-09-36-HT-* | 35-3/4     | 98-1/2     | 47-3/4     | 122-1/2    |
| 12          | 18          | (Prefix)-12-18-HT-* | 37-1/4     | 80-1/2     | 49-1/4     | 104-1/2    |
|             | 24          | (Prefix)-12-24-HT-* | 37-1/4     | 86-1/2     | 49-1/4     | 110-1/2    |
|             | 30          | (Prefix)-12-30-HT-* | 37-1/4     | 92-1/2     | 49-1/4     | 116-1/2    |
|             | 36          | (Prefix)-12-36-HT-* | 37-1/4     | 98-1/2     | 49-1/4     | 122-1/2    |
| 18          | 24          | (Prefix)-18-24-HT-* | 40-1/4     | 86-1/2     | 52-1/4     | 110-1/2    |
|             | 30          | (Prefix)-18-30-HT-* | 40-1/4     | 92-1/2     | 52-1/4     | 116-1/2    |
|             | 36          | (Prefix)-18-36-HT-* | 40-1/4     | 98-1/2     | 52-1/4     | 122-1/2    |
| 24          | 30          | (Prefix)-24-30-HT-* | 43-1/4     | 92-1/2     | 55-1/4     | 116-1/2    |
|             | 36          | (Prefix)-24-36-HT-* | 43-1/4     | 98-1/2     | 55-1/4     | 122-1/2    |
| 30          | 36          | (Prefix)-30-36-HT-* | 46-1/4     | 98-1/2     | 58-1/4     | 122-1/2    |

Available in molded or mitered

### 6" Horizontal Expanding/ Reducing Cross



\* = Insert Radius

| Tray Width |          | 12" Radius          |         |         |
|------------|----------|---------------------|---------|---------|
| W1 (in.)   | W2 (in.) | Catalog Number      | A (in.) | B (in.) |
| 6          | 9        | (Prefix)-06-09-HX-* | 22-1/4  | 47-1/2  |
|            | 12       | (Prefix)-06-12-HX-* | 22-1/4  | 50-1/2  |
|            | 18       | (Prefix)-06-18-HX-* | 22-1/4  | 56-1/2  |
|            | 24       | (Prefix)-06-24-HX-* | 22-1/4  | 62-1/2  |
|            | 30       | (Prefix)-06-30-HX-* | 22-1/4  | 68-1/2  |
|            | 36       | (Prefix)-06-36-HX-* | 22-1/4  | 74-1/2  |
| 9          | 12       | (Prefix)-09-12-HX-* | 23-3/4  | 50-1/2  |
|            | 18       | (Prefix)-09-18-HX-* | 23-3/4  | 56-1/2  |
|            | 24       | (Prefix)-09-24-HX-* | 23-3/4  | 62-1/2  |
|            | 30       | (Prefix)-09-30-HX-* | 23-3/4  | 68-1/2  |
|            | 36       | (Prefix)-09-36-HX-* | 23-3/4  | 74-1/2  |
| 12         | 18       | (Prefix)-12-18-HX-* | 25-1/4  | 56-1/2  |
|            | 24       | (Prefix)-12-24-HX-* | 25-1/4  | 62-1/2  |
|            | 30       | (Prefix)-12-30-HX-* | 25-1/4  | 68-1/2  |
|            | 36       | (Prefix)-12-36-HX-* | 25-1/4  | 74-1/2  |
| 18         | 24       | (Prefix)-18-24-HX-* | 28-1/4  | 62-1/2  |
|            | 30       | (Prefix)-18-30-HX-* | 28-1/4  | 68-1/2  |
|            | 36       | (Prefix)-18-36-HX-* | 28-1/4  | 74-1/2  |
| 24         | 30       | (Prefix)-24-30-HX-* | 31-1/4  | 68-1/2  |
|            | 36       | (Prefix)-24-36-HX-* | 31-1/4  | 74-1/2  |
| 30         | 36       | (Prefix)-30-36-HX-* | 34-1/4  | 74-1/2  |

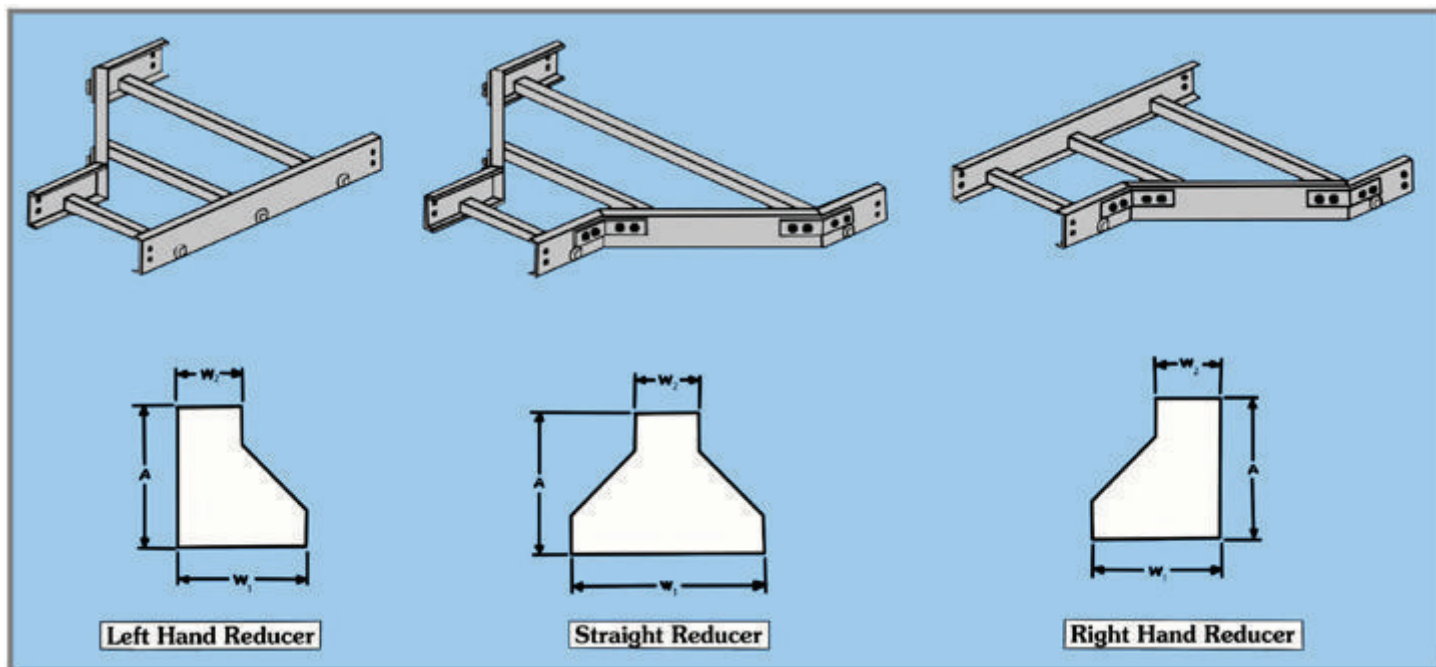
\* = 24 or 36 depending on radius

| Tray Width |          |                     | 24" Radius |         | 36" Radius |         |
|------------|----------|---------------------|------------|---------|------------|---------|
| W1 (in.)   | W2 (in.) | Catalog Number      | A (in.)    | B (in.) | A (in.)    | B (in.) |
| 6          | 9        | (Prefix)-06-09-HX-* | 34-1/4     | 71-1/2  | 46-1/4     | 95-1/2  |
|            | 12       | (Prefix)-06-12-HX-* | 34-1/4     | 74-1/2  | 46-1/4     | 98-1/2  |
|            | 18       | (Prefix)-06-18-HX-* | 34-1/4     | 80-1/2  | 46-1/4     | 104-1/2 |
|            | 24       | (Prefix)-06-24-HX-* | 34-1/4     | 86-1/2  | 46-1/4     | 110-1/2 |
|            | 30       | (Prefix)-06-30-HX-* | 34-1/4     | 92-1/2  | 46-1/4     | 116-1/2 |
|            | 36       | (Prefix)-06-36-HX-* | 34-1/4     | 98-1/2  | 46-1/4     | 122-1/2 |
| 9          | 12       | (Prefix)-09-12-HX-* | 35-3/4     | 74-1/2  | 47-3/4     | 98-1/2  |
|            | 18       | (Prefix)-09-18-HX-* | 35-3/4     | 80-1/2  | 47-3/4     | 104-1/2 |
|            | 24       | (Prefix)-09-24-HX-* | 35-3/4     | 86-1/2  | 47-3/4     | 110-1/2 |
|            | 30       | (Prefix)-09-30-HX-* | 35-3/4     | 92-1/2  | 47-3/4     | 116-1/2 |
|            | 36       | (Prefix)-09-36-HX-* | 35-3/4     | 98-1/2  | 47-3/4     | 122-1/2 |
| 12         | 18       | (Prefix)-12-18-HX-* | 37-1/4     | 80-1/2  | 49-1/4     | 104-1/2 |
|            | 24       | (Prefix)-12-24-HX-* | 37-1/4     | 86-1/2  | 49-1/4     | 110-1/2 |
|            | 30       | (Prefix)-12-30-HX-* | 37-1/4     | 92-1/2  | 49-1/4     | 116-1/2 |
|            | 36       | (Prefix)-12-36-HX-* | 37-1/4     | 98-1/2  | 49-1/4     | 122-1/2 |
| 18         | 24       | (Prefix)-18-24-HX-* | 40-1/4     | 86-1/2  | 52-1/4     | 110-1/2 |
|            | 30       | (Prefix)-18-30-HX-* | 40-1/4     | 92-1/2  | 52-1/4     | 116-1/2 |
|            | 36       | (Prefix)-18-36-HX-* | 40-1/4     | 98-1/2  | 52-1/4     | 122-1/2 |
| 24         | 30       | (Prefix)-24-30-HX-* | 43-1/4     | 92-1/2  | 55-1/4     | 116-1/2 |
|            | 36       | (Prefix)-24-36-HX-* | 43-1/4     | 98-1/2  | 55-1/4     | 122-1/2 |
| 30         | 36       | (Prefix)-30-36-HX-* | 46-1/4     | 98-1/2  | 58-1/4     | 122-1/2 |

Available in molded or mitered



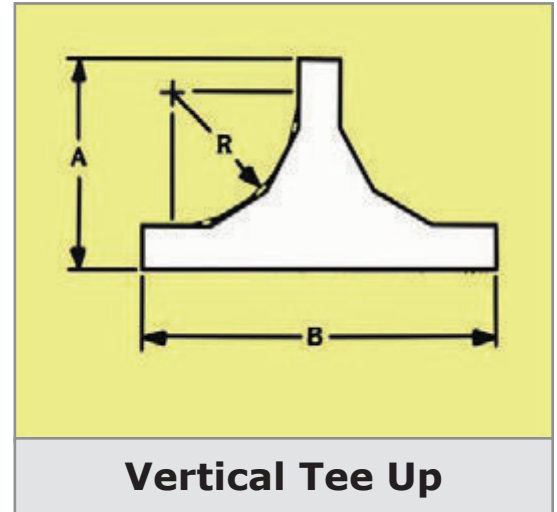
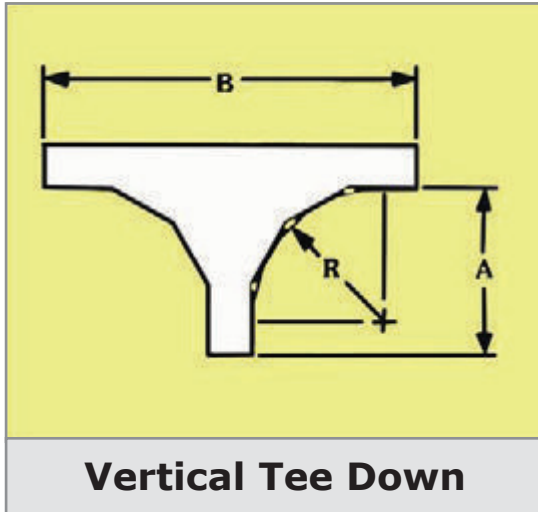
## 6" Reducers



| Tray Width |          | Left Hand Reducer |         | Straight Reducer |         | Right Hand Reducer |         |
|------------|----------|-------------------|---------|------------------|---------|--------------------|---------|
| W1 (in.)   | W2 (in.) | Catalog Number    | A (in.) | Catalog Number   | A (in.) | Catalog Number     | A (in.) |
| 9          | 6        | (Prefix)-09-LR06  | 17-1/2  | (Prefix)-09-SR06 | 16      | (Prefix)-09-RR06   | 17-1/2  |
| 12         | 6        | (Prefix)-12-LR06  | 20-1/2  | (Prefix)-12-SR06 | 17-1/2  | (Prefix)-12-RR06   | 20-1/2  |
|            | 9        | (Prefix)-12-LR09  | 17-1/2  | (Prefix)-12-SR09 | 16      | (Prefix)-12-RR09   | 17-1/2  |
| 18         | 6        | (Prefix)-18-LR06  | 26-1/2  | (Prefix)-18-SR06 | 20-1/2  | (Prefix)-18-RR06   | 26-1/2  |
|            | 9        | (Prefix)-18-LR09  | 23-1/2  | (Prefix)-18-SR09 | 19      | (Prefix)-18-RR09   | 23-1/2  |
|            | 12       | (Prefix)-18-LR12  | 20-1/2  | (Prefix)-18-SR12 | 17-1/2  | (Prefix)-18-RR12   | 20-1/2  |
| 24         | 6        | (Prefix)-24-LR06  | 32-1/2  | (Prefix)-24-SR06 | 23-1/2  | (Prefix)-24-RR06   | 32-1/2  |
|            | 9        | (Prefix)-24-LR09  | 29-1/2  | (Prefix)-24-SR09 | 22      | (Prefix)-24-RR09   | 29-1/2  |
|            | 12       | (Prefix)-24-LR12  | 26-1/2  | (Prefix)-24-SR12 | 20-1/2  | (Prefix)-24-RR12   | 26-1/2  |
|            | 18       | (Prefix)-24-LR18  | 20-1/2  | (Prefix)-24-SR18 | 17-1/2  | (Prefix)-24-RR18   | 20-1/2  |
| 30         | 6        | (Prefix)-30-LR06  | 38-1/2  | (Prefix)-30-SR06 | 26-1/2  | (Prefix)-30-RR06   | 38-1/2  |
|            | 9        | (Prefix)-30-LR09  | 35-1/2  | (Prefix)-30-SR09 | 25      | (Prefix)-30-RR09   | 35-1/2  |
|            | 12       | (Prefix)-30-LR12  | 32-1/2  | (Prefix)-30-SR12 | 23-1/2  | (Prefix)-30-RR12   | 32-1/2  |
|            | 18       | (Prefix)-30-LR18  | 26-1/2  | (Prefix)-30-SR18 | 20-1/2  | (Prefix)-30-RR18   | 26-1/2  |
|            | 24       | (Prefix)-30-LR24  | 20-1/2  | (Prefix)-30-SR24 | 17-1/2  | (Prefix)-30-RR24   | 20-1/2  |
| 36         | 6        | (Prefix)-36-LR06  | 44-1/2  | (Prefix)-36-SR06 | 29-1/2  | (Prefix)-36-RR06   | 44-1/2  |
|            | 9        | (Prefix)-36-LR09  | 41-1/2  | (Prefix)-36-SR09 | 28-26-  | (Prefix)-36-RR09   | 41-1/2  |
|            | 12       | (Prefix)-36-LR12  | 38-1/2  | (Prefix)-36-SR12 | 1/2     | (Prefix)-36-RR12   | 38-1/2  |
|            | 18       | (Prefix)-36-LR18  | 32-1/2  | (Prefix)-36-SR18 | 23-1/2  | (Prefix)-36-RR18   | 32-1/2  |
|            | 24       | (Prefix)-36-LR24  | 26-1/2  | (Prefix)-36-SR24 | 20-1/2  | (Prefix)-36-RR24   | 26-1/2  |
|            | 30       | (Prefix)-36-LR30  | 20-1/2  | (Prefix)-36-SR30 | 17-1/2  | (Prefix)-36-RR30   | 20-1/2  |

Available in molded or mitered

## 6" Vertical Tees



Two pair of splice plates with SS6 hardware included.

|                       |                  |                 | Vertical Tee Down |         | Vertical Tee Up |         |
|-----------------------|------------------|-----------------|-------------------|---------|-----------------|---------|
| -R- Bend Radius (in.) | Tray Width (in.) | Catalog Number  | A (in.)           | B (in.) | A (in.)         | B (in.) |
| 12                    | 6                | (Prefix)*-06-12 | 20-5/8            | 47-3/16 | 26-5/8          | 47-3/16 |
|                       | 9                | (Prefix)*-09-12 |                   |         |                 |         |
|                       | 12               | (Prefix)*-12-12 |                   |         |                 |         |
|                       | 18               | (Prefix)*-18-12 |                   |         |                 |         |
|                       | 24               | (Prefix)*-24-12 |                   |         |                 |         |
|                       | 30               | (Prefix)*-30-12 |                   |         |                 |         |
| 24                    | 6                | (Prefix)*-06-24 | 31-1/4            | 68-1/2  | 37-1/4          | 68-1/2  |
|                       | 9                | (Prefix)*-09-24 |                   |         |                 |         |
|                       | 12               | (Prefix)*-12-24 |                   |         |                 |         |
|                       | 18               | (Prefix)*-18-24 |                   |         |                 |         |
|                       | 24               | (Prefix)*-24-24 |                   |         |                 |         |
|                       | 30               | (Prefix)*-30-24 |                   |         |                 |         |
| 36                    | 6                | (Prefix)*-06-36 | 43                | 92      | 49              | 92      |
|                       | 9                | (Prefix)*-09-36 |                   |         |                 |         |
|                       | 12               | (Prefix)*-12-36 |                   |         |                 |         |
|                       | 18               | (Prefix)*-18-36 |                   |         |                 |         |
|                       | 24               | (Prefix)*-24-36 |                   |         |                 |         |
|                       | 30               | (Prefix)*-30-36 |                   |         |                 |         |

\* = Insert VD (For Vertical Down) or VU (For Vertical Up)

Available in molded or mitered



| 4P-09-24-120 |          |              |       |        |
|--------------|----------|--------------|-------|--------|
| 4            | P-       | 09-          | 24-   | 120    |
| Series       | Material | Rung Spacing | Width | Length |

**Series:**  
4"

P=Polyester Resin  
V=Vinylester Resin

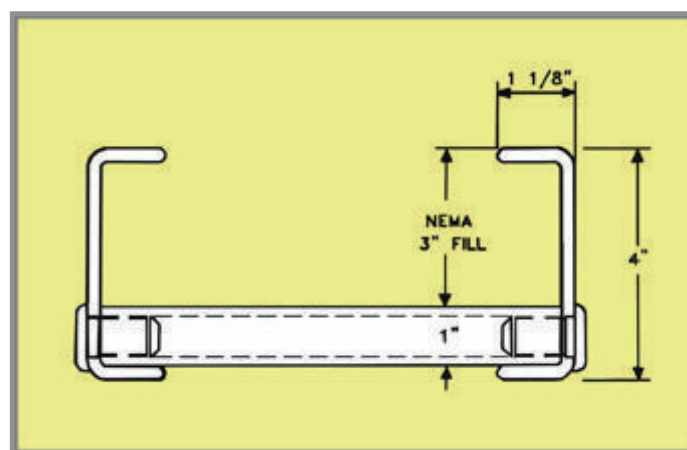
**Rung Spacing:**  
06"  
09"  
12"  
18"

**Width:**  
06"  
09"  
12"  
18"  
24"  
30"  
36"

**Length:**  
120 (10ft.)  
240 (20ft.)



To obtain deflection at any span length for lighter loads than listed, multiply the load by the K factor. When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%.

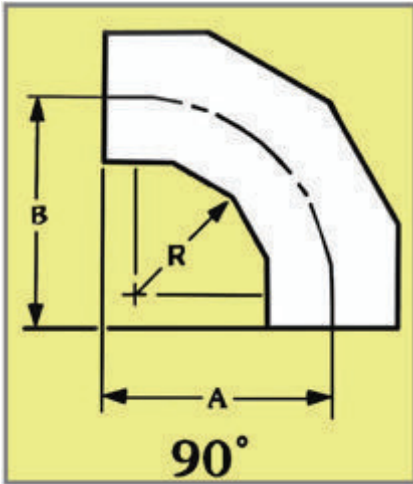

**Husky Series 4**
**Safety Factor 1.5**

| Span (Ft.)           | 10    | 12    | 14    | 16    | 18    |
|----------------------|-------|-------|-------|-------|-------|
| Design Load Lbs./Ft. | 157   | 109   | 80    | 61    | 48    |
| Deflection           | 2.1   | 3.0   | 4.0   | 5.3   | 6.7   |
| K Factor             | 0.013 | 0.028 | 0.050 | 0.087 | 0.140 |

Loading—NEMA 12C \*tested per NEMA FG-1, 12" rung spacing

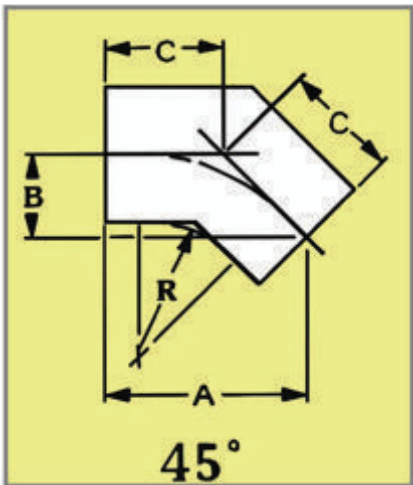


## 90° Horizontal Bend Dimensions.



| -R- Bend Radius (in.) | Tray Width (in.) | Catalog Number       | A Inches | B Inches |
|-----------------------|------------------|----------------------|----------|----------|
| 12                    | 6                | (Prefix)-06-90HB-12  | 20-3/8   | 20-3/8   |
|                       | 9                | (Prefix)-09-90HB-12  | 21-7/8   | 21-7/8   |
|                       | 12               | *(Prefix)-12-90HB-12 | 25-1/4   | 25-1/4   |
|                       | 18               | *(Prefix)-18-90HB-12 | 28-1/4   | 28-1/4   |
|                       | 24               | *(Prefix)-24-90HB-12 | 31-1/4   | 31-1/4   |
|                       | 30               | *(Prefix)-30-90HB-12 | 34-1/4   | 34-1/4   |
|                       | 36               | *(Prefix)-36-90HB-12 | 37-1/4   | 37-1/4   |
| 24                    | 6                | *(Prefix)-06-90HB-24 | 34-1/4   | 34-1/4   |
|                       | 9                | (Prefix)-09-90HB-24  | 35-3/4   | 35-3/4   |
|                       | 12               | *(Prefix)-12-90HB-24 | 37-1/4   | 37-1/4   |
|                       | 18               | *(Prefix)-18-90HB-24 | 40-1/4   | 40-1/4   |
|                       | 24               | *(Prefix)-24-90HB-24 | 43-1/4   | 43-1/4   |
|                       | 30               | (Prefix)-30-90HB-24  | 46-1/4   | 46-1/4   |
|                       | 36               | (Prefix)-36-90HB-24  | 49-1/4   | 49-1/4   |
| 36                    | 6                | (Prefix)-06-90HB-36  | 46-1/4   | 46-1/4   |
|                       | 9                | (Prefix)-09-90HB-36  | 47-3/4   | 47-3/4   |
|                       | 12               | (Prefix)-12-90HB-36  | 49-1/4   | 49-1/4   |
|                       | 18               | (Prefix)-18-90HB-36  | 52-1/4   | 52-1/4   |
|                       | 24               | (Prefix)-24-90HB-36  | 55-1/4   | 55-1/4   |
|                       | 30               | (Prefix)-30-90HB-36  | 58-1/4   | 58-1/4   |
|                       | 36               | (Prefix)-36-90HB-36  | 61-1/4   | 61-1/4   |

## 45° Horizontal Bend Dimensions



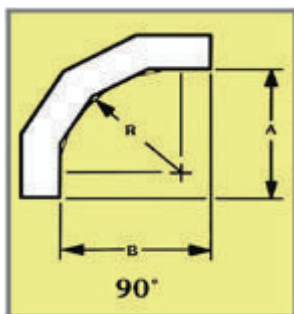
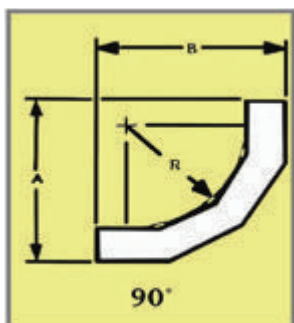
| -R- Bend Radius (in.) | Tray Width (in.) | Catalog Number       | A Inches | B Inches | C Inches |
|-----------------------|------------------|----------------------|----------|----------|----------|
| 12                    | 6                | (Prefix)-06-45HB-12  | 22-13/16 | 9-7/16   | 14-3/4   |
|                       | 9                | (Prefix)-09-45HB-12  | 23-7/8   | 9-7/8    | 15-15/16 |
|                       | 12               | *(Prefix)-12-45HB-12 | 17-7/8   | 7-3/8    | 10-7/16  |
|                       | 18               | *(Prefix)-18-45HB-12 | 20       | 8-1/4    | 11-1/16  |
|                       | 24               | *(Prefix)-24-45HB-12 | 22-1/16  | 9-1/8    | 12-15/16 |
|                       | 30               | *(Prefix)-30-45HB-12 | 24-3/16  | 10       | 14-3/16  |
|                       | 36               | *(Prefix)-36-45HB-12 | 26-5/16  | 10-15/16 | 15-7/16  |
| 24                    | 6                | *(Prefix)-06-45HB-24 | 24-3/16  | 10       | 14-3/16  |
|                       | 9                | (Prefix)-09-45HB-24  | 25-1/4   | 10-1/2   | 16-3/4   |
|                       | 12               | *(Prefix)-12-45HB-24 | 26-5/16  | 10-15/16 | 15-7/16  |
|                       | 18               | *(Prefix)-18-45HB-24 | 28-7/16  | 11-13/16 | 16-11/16 |
|                       | 24               | *(Prefix)-24-45HB-24 | 30-9/16  | 12-11/16 | 17-15/16 |
|                       | 30               | (Prefix)-30-45HB-24  | 32-11/16 | 13-9/16  | 25-1/2   |
|                       | 36               | (Prefix)-36-45HB-24  | 34-13/16 | 14-7/16  | 27-15/16 |
| 36                    | 6                | (Prefix)-06-45HB-36  | 32-5/8   | 13-1/2   | 20-1/2   |
|                       | 9                | (Prefix)-09-45HB-36  | 33-11/16 | 13-15/16 | 21-11/16 |
|                       | 12               | (Prefix)-12-45HB-36  | 34-3/4   | 14-3/8   | 22-15/16 |
|                       | 18               | (Prefix)-18-45HB-36  | 36-7/8   | 15-1/4   | 25-7/16  |
|                       | 24               | (Prefix)-24-45HB-36  | 39       | 16-3/16  | 27-15/16 |
|                       | 30               | (Prefix)-30-45HB-36  | 41-1/8   | 17-1/16  | 30-7/16  |
|                       | 36               | (Prefix)-36-45HB-36  | 43-1/4   | 17-15/16 | 32-7/8   |

Available in molded or mitered

\* Denotes molded fitting.



## 90° Vertical Bend Dimensions

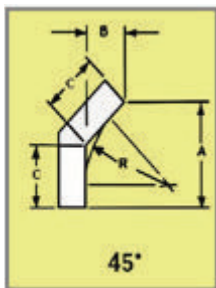
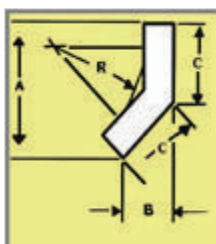

**Vertical Outside Bend**

**Vertical Inside Bend**

| -R-Bend Radius (in.) | Tray Width (in.) | Catalog Number       | Vertical Outside Bend |         | Vertical Inside Bend |         |
|----------------------|------------------|----------------------|-----------------------|---------|----------------------|---------|
|                      |                  |                      | A (in.)               | B (in.) | A (in.)              | B (in.) |
| 12                   | 6                | *(Prefix)-06-90(*)12 | 19-1/4                | 19-1/4  | 23-1/4               | 23-1/4  |
|                      | 9                | *(Prefix)-09-90(*)12 |                       |         |                      |         |
|                      | 12               | *(Prefix)-12-90(*)12 |                       |         |                      |         |
|                      | 18               | *(Prefix)-18-90(*)12 |                       |         |                      |         |
|                      | 24               | *(Prefix)-24-90(*)12 |                       |         |                      |         |
|                      | 30               | *(Prefix)-30-90(*)12 |                       |         |                      |         |
| 24                   | 36               | *(Prefix)-36-90(*)12 |                       |         |                      |         |
|                      | 6                | (Prefix)-06-90(*)24  | 31                    | 31      | 35-1/2               | 35-1/2  |
|                      | 9                | (Prefix)-09-90(*)24  |                       |         |                      |         |
|                      | 12               | (Prefix)-12-90(*)24  |                       |         |                      |         |
|                      | 18               | (Prefix)-18-90(*)24  |                       |         |                      |         |
|                      | 24               | (Prefix)-24-90(*)24  |                       |         |                      |         |
|                      | 30               | (Prefix)-30-90(*)24  |                       |         |                      |         |
| 36                   | 36               | (Prefix)-36-90(*)24  |                       |         |                      |         |
|                      | 6                | (Prefix)-06-90(*)24  | 43                    | 43      | 48-1/2               | 48-1/2  |
|                      | 9                | (Prefix)-09-90(*)24  |                       |         |                      |         |
|                      | 12               | (Prefix)-12-90(*)24  |                       |         |                      |         |
|                      | 18               | (Prefix)-18-90(*)24  |                       |         |                      |         |
|                      | 24               | (Prefix)-24-90(*)24  |                       |         |                      |         |
|                      | 30               | (Prefix)-30-90(*)24  |                       |         |                      |         |
| 36                   | 36               | (Prefix)-36-90(*)24  |                       |         |                      |         |

**Note:** Dimensions are for reference only, when critical, contact factory. Consult factory for availability of molded fittings.

\* Insert VO for vertical outside bend or VI for vertical inside bend.

## 45° Vertical Bend Dimensions


**Vertical Outside Bend**

**Vertical Inside Bend**

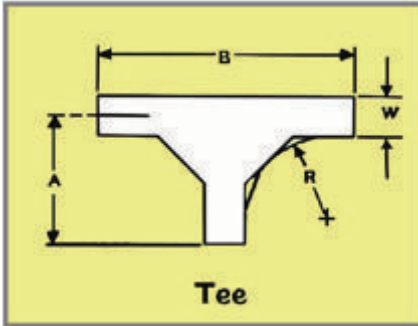
| -R-Bend Radius (in.) | Tray Width (in.) | Catalog Number       | Vertical Outside Bend |        |          | Vertical Inside Bend |          |         |
|----------------------|------------------|----------------------|-----------------------|--------|----------|----------------------|----------|---------|
|                      |                  |                      | A In.                 | B In.  | C In.    | A In.                | B In.    | C In.   |
| 12                   | 6                | *(Prefix)-06-45(*)12 | 13-5/8                | 5-5/8  | 8        | 16-7/8               | 2-13/16  | 6-13/16 |
|                      | 9                | *(Prefix)-09-45(*)12 |                       |        |          |                      |          |         |
|                      | 12               | *(Prefix)-12-45(*)12 |                       |        |          |                      |          |         |
|                      | 18               | *(Prefix)-18-45(*)12 |                       |        |          |                      |          |         |
|                      | 24               | *(Prefix)-24-45(*)12 |                       |        |          |                      |          |         |
|                      | 30               | *(Prefix)-30-45(*)12 |                       |        |          |                      |          |         |
| 24                   | 36               | *(Prefix)-36-45(*)12 |                       |        |          |                      |          |         |
|                      | 6                | (Prefix)-06-45(*)24  | 22-1/16               | 9-1/8  | 12-15/16 | 24-15/16             | 10-5/16  | 14-5/8  |
|                      | 9                | (Prefix)-09-45(*)24  |                       |        |          |                      |          |         |
|                      | 12               | (Prefix)-12-45(*)24  |                       |        |          |                      |          |         |
|                      | 18               | (Prefix)-18-45(*)24  |                       |        |          |                      |          |         |
|                      | 24               | (Prefix)-24-45(*)24  |                       |        |          |                      |          |         |
|                      | 30               | (Prefix)-30-45(*)24  |                       |        |          |                      |          |         |
| 36                   | 36               | (Prefix)-36-45(*)24  |                       |        |          |                      |          |         |
|                      | 6                | (Prefix)-06-45(*)36  | 37-7/16               | 15-1/2 | 21-15/16 | 40-5/16              | 16-11/16 | 23-5/8  |
|                      | 9                | (Prefix)-09-45(*)36  |                       |        |          |                      |          |         |
|                      | 12               | (Prefix)-12-45(*)36  |                       |        |          |                      |          |         |
|                      | 18               | (Prefix)-18-45(*)36  |                       |        |          |                      |          |         |
|                      | 24               | (Prefix)-24-45(*)36  |                       |        |          |                      |          |         |
|                      | 30               | (Prefix)-30-45(*)36  |                       |        |          |                      |          |         |
| 36                   | 36               | (Prefix)-36-45(*)36  |                       |        |          |                      |          |         |

Available in molded or mitered



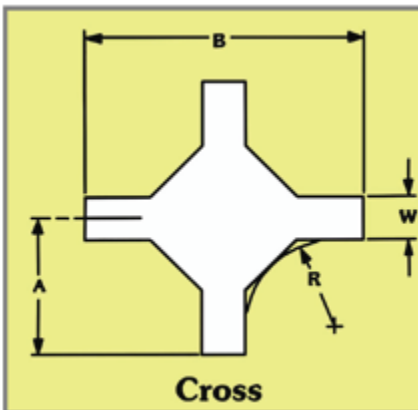
## 4" Horizontal Tee & Cross

### Horizontal Tee



| -R- Bend Radius (in.) | Tray Width (in.) | Catalog Number     | A Inches | B Inches |
|-----------------------|------------------|--------------------|----------|----------|
| 12                    | 6                | *(Prefix)-06-HT-12 | 22-1/4   | 44-1/2   |
|                       | 9                | *(Prefix)-09-HT-12 | 23-3/4   | 47-1/2   |
|                       | 12               | *(Prefix)-12-HT-12 | 25-1/4   | 50-1/2   |
|                       | 18               | *(Prefix)-18-HT-12 | 28-1/4   | 56-1/2   |
|                       | 24               | *(Prefix)-24-HT-12 | 31-1/4   | 62-1/2   |
|                       | 30               | *(Prefix)-30-HT-12 | 34-1/4   | 68-1/2   |
|                       | 36               | *(Prefix)-36-HT-12 | 37-1/4   | 74-1/2   |
| 24                    | 6                | *(Prefix)-06-HT-24 | 34-1/4   | 68-1/2   |
|                       | 9                | *(Prefix)-09-HT-24 | 35-3/4   | 71-1/2   |
|                       | 12               | *(Prefix)-12-HT-24 | 37-1/4   | 74-1/2   |
|                       | 18               | *(Prefix)-18-HT-24 | 40-1/4   | 80-1/2   |
|                       | 24               | *(Prefix)-24-HT-24 | 43-1/4   | 86-1/2   |
|                       | 30               | *(Prefix)-30-HT-24 | 46-1/4   | 92-1/2   |
|                       | 36               | *(Prefix)-36-HT-24 | 49-1/4   | 98-1/2   |
| 36                    | 6                | (Prefix)-06-HT-36  | 46-1/4   | 92-1/2   |
|                       | 9                | (Prefix)-09-HT-36  | 47-3/4   | 95-1/2   |
|                       | 12               | (Prefix)-12-HT-36  | 49-1/4   | 98-1/2   |
|                       | 18               | (Prefix)-18-HT-36  | 52-1/4   | 104-1/2  |
|                       | 24               | (Prefix)-24-HT-36  | 55-1/4   | 110-1/2  |
|                       | 30               | (Prefix)-30-HT-36  | 58-1/4   | 116-1/2  |
|                       | 36               | (Prefix)-36-HT-36  | 61-1/4   | 122-1/2  |

### Cross



| -R- Bend Radius (in.) | Tray Width (in.) | Catalog Number     | A Inches | B Inches |
|-----------------------|------------------|--------------------|----------|----------|
| 12                    | 6                | *(Prefix)-06-HX-12 | 22-1/4   | 44-1/2   |
|                       | 9                | *(Prefix)-09-HX-12 | 23-3/4   | 47-1/2   |
|                       | 12               | *(Prefix)-12-HX-12 | 25-1/4   | 50-1/2   |
|                       | 18               | *(Prefix)-18-HX-12 | 28-1/4   | 56-1/2   |
|                       | 24               | *(Prefix)-24-HX-12 | 31-1/4   | 62-1/2   |
|                       | 30               | *(Prefix)-30-HX-12 | 34-1/4   | 68-1/2   |
|                       | 36               | *(Prefix)-36-HX-12 | 37-1/4   | 74-1/2   |
| 24                    | 6                | *(Prefix)-06-HX-24 | 34-1/4   | 68-1/2   |
|                       | 9                | *(Prefix)-09-HX-24 | 35-3/4   | 71-1/2   |
|                       | 12               | *(Prefix)-12-HX-24 | 37-1/4   | 74-1/2   |
|                       | 18               | *(Prefix)-18-HX-24 | 40-1/4   | 80-1/2   |
|                       | 24               | *(Prefix)-24-HX-24 | 43-1/4   | 86-1/2   |
|                       | 30               | *(Prefix)-30-HX-24 | 46-1/4   | 92-1/2   |
|                       | 36               | *(Prefix)-36-HX-24 | 49-1/4   | 98-1/2   |
| 36                    | 6                | (Prefix)-06-HX-36  | 46-1/4   | 92-1/2   |
|                       | 9                | (Prefix)-09-HX-36  | 47-3/4   | 95-1/2   |
|                       | 12               | (Prefix)-12-HX-36  | 49-1/4   | 98-1/2   |
|                       | 18               | (Prefix)-18-HX-36  | 52-1/4   | 104-1/2  |
|                       | 24               | (Prefix)-24-HX-36  | 55-1/4   | 110-1/2  |
|                       | 30               | (Prefix)-30-HX-36  | 58-1/4   | 116-1/2  |
|                       | 36               | (Prefix)-36-HX-36  | 61-1/4   | 122-1/2  |

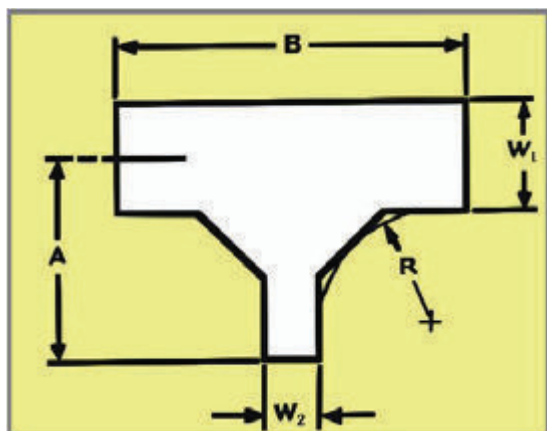
16-FIBERGLASS

Available in molded or mitered

\* Denotes molded fitting.



### 4" Horizontal Reducing Tee



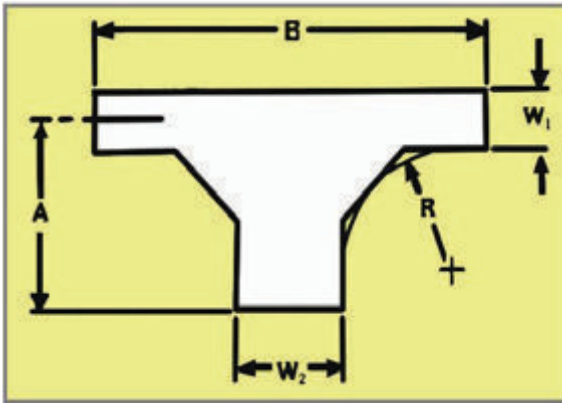
\* = Insert Radius

| Tray Width |          | 36" Radius           |         |         |
|------------|----------|----------------------|---------|---------|
| W1 (in.)   | W2 (in.) | Catalog Number       | A (in.) | B (in.) |
| 9          | 6        | (Prefix)-09-06-HT-36 | 47-3/4  | 92-1/2  |
| 12         | 6        | (Prefix)-12-06-HT-36 | 49-1/4  | 92-1/2  |
|            | 9        | (Prefix)-12-09-HT-36 | 49-1/4  | 95-1/2  |
| 18         | 6        | (Prefix)-18-06-HT-36 | 52-1/4  | 92-1/2  |
|            | 9        | (Prefix)-18-09-HT-36 | 52-1/4  | 95-1/2  |
|            | 12       | (Prefix)-18-12-HT-36 | 52-1/4  | 98-1/2  |
| 24         | 6        | (Prefix)-24-06-HT-36 | 55-1/4  | 92-1/2  |
|            | 9        | (Prefix)-24-09-HT-36 | 55-1/4  | 95-1/2  |
|            | 12       | (Prefix)-24-12-HT-36 | 55-1/4  | 98-1/2  |
|            | 18       | (Prefix)-24-18-HT-36 | 55-1/4  | 104-1/2 |
| 30         | 6        | (Prefix)-30-06-HT-36 | 58-1/4  | 92-1/2  |
|            | 9        | (Prefix)-30-09-HT-36 | 58-1/4  | 95-1/2  |
|            | 12       | (Prefix)-30-12-HT-36 | 58-1/4  | 98-1/2  |
|            | 18       | (Prefix)-30-18-HT-36 | 58-1/4  | 104-1/2 |
|            | 24       | (Prefix)-30-24-HT-36 | 58-1/4  | 110-1/2 |
| 36         | 6        | (Prefix)-36-06-HT-36 | 61-1/4  | 92-1/2  |
|            | 9        | (Prefix)-36-09-HT-36 | 61-1/4  | 95-1/2  |
|            | 12       | (Prefix)-36-12-HT-36 | 61-1/4  | 98-1/2  |
|            | 18       | (Prefix)-36-18-HT-36 | 61-1/4  | 104-1/2 |
|            | 24       | (Prefix)-36-24-HT-36 | 61-1/4  | 110-1/2 |
|            | 30       | (Prefix)-36-30-HT-36 | 61-1/4  | 116-1/2 |

| Tray Width |          |                                               | 12" Radius |         | 24" Radius |         |
|------------|----------|-----------------------------------------------|------------|---------|------------|---------|
| W1 (in.)   | W2 (in.) | Catalog Number<br>(*Insert radius 12" or 24") | A (in.)    | B (in.) | A (in.)    | B (in.) |
| 9          | 6        | (Prefix)-09-06-HT-*                           | 23-3/4     | 44-1/2  | 35-3/4     | 68-1/2  |
| 12         | 6        | (Prefix)-12-06-HT-*                           | 25-1/4     | 44-1/2  | 37-1/4     | 68-1/2  |
|            | 9        | (Prefix)-12-09-HT-*                           | 25-1/4     | 47-1/2  | 37-1/4     | 71-1/2  |
| 18         | 6        | (Prefix)-18-06-HT-*                           | 28-1/4     | 44-1/2  | 40-1/4     | 68-1/2  |
|            | 9        | (Prefix)-18-09-HT-*                           | 28-1/4     | 47-1/2  | 40-1/4     | 71-1/2  |
|            | 12       | (Prefix)-18-12-HT-*                           | 28-1/4     | 50-1/2  | 40-1/4     | 74-1/2  |
| 24         | 6        | (Prefix)-24-06-HT-*                           | 31-1/4     | 44-1/2  | 43-1/4     | 68-1/2  |
|            | 9        | (Prefix)-24-09-HT-*                           | 31-1/4     | 47-1/2  | 43-1/4     | 71-1/2  |
|            | 12       | (Prefix)-24-12-HT-*                           | 31-1/4     | 50-1/2  | 43-1/4     | 74-1/2  |
|            | 18       | (Prefix)-24-18-HT-*                           | 31-1/4     | 56-1/2  | 43-1/4     | 80-1/2  |
| 30         | 6        | (Prefix)-30-06-HT-*                           | 34-1/4     | 44-1/2  | 46-1/4     | 68-1/2  |
|            | 9        | (Prefix)-30-09-HT-*                           | 34-1/4     | 47-1/2  | 46-1/4     | 71-1/2  |
|            | 12       | (Prefix)-30-12-HT-*                           | 34-1/4     | 50-1/2  | 46-1/4     | 74-1/2  |
|            | 18       | (Prefix)-30-18-HT-*                           | 34-1/4     | 56-1/2  | 46-1/4     | 80-1/2  |
|            | 24       | (Prefix)-30-24-HT-*                           | 34-1/4     | 62-1/2  | 46-1/4     | 86-1/2  |
| 36         | 6        | (Prefix)-36-06-HT-*                           | 37-1/4     | 44-1/2  | 49-1/4     | 68-1/2  |
|            | 9        | (Prefix)-36-09-HT-*                           | 37-1/4     | 47-1/2  | 49-1/4     | 71-1/2  |
|            | 12       | (Prefix)-36-12-HT-*                           | 37-1/4     | 50-1/2  | 49-1/4     | 74-1/2  |
|            | 18       | (Prefix)-36-18-HT-*                           | 37-1/4     | 56-1/2  | 49-1/4     | 80-1/2  |
|            | 24       | (Prefix)-36-24-HT-*                           | 37-1/4     | 62-1/2  | 49-1/4     | 86-1/2  |
|            | 30       | (Prefix)-36-30-HT-*                           | 37-1/4     | 68-1/2  | 49-1/4     | 92-1/2  |

Available in molded or mitered

## 4" Horizontal Expanding Tee



| Tray Width |          | 36" Radius           |         |         |
|------------|----------|----------------------|---------|---------|
| W1 (in.)   | W2 (in.) | Catalog Number       | A (in.) | B (in.) |
| 6          | 9        | (Prefix)-06-09-HT-36 | 46-1/4  | 95-1/2  |
|            | 12       | (Prefix)-06-12-HT-36 | 46-1/4  | 98-1/2  |
|            | 18       | (Prefix)-06-18-HT-36 | 46-1/4  | 104-1/2 |
|            | 24       | (Prefix)-06-24-HT-36 | 46-1/4  | 110-1/2 |
|            | 30       | (Prefix)-06-30-HT-36 | 46-1/4  | 116-1/2 |
| 9          | 36       | (Prefix)-06-36-HT-36 | 46-1/4  | 122-1/2 |
|            | 12       | (Prefix)-09-12-HT-36 | 47-3/4  | 98-1/2  |
|            | 18       | (Prefix)-09-18-HT-36 | 47-3/4  | 104-1/2 |
|            | 24       | (Prefix)-09-24-HT-36 | 47-3/4  | 110-1/2 |
|            | 30       | (Prefix)-09-30-HT-36 | 47-3/4  | 116-1/2 |
| 12         | 36       | (Prefix)-09-36-HT-36 | 47-3/4  | 122-1/2 |
|            | 18       | (Prefix)-12-18-HT-36 | 48-1/4  | 104-1/2 |
|            | 24       | (Prefix)-12-24-HT-36 | 48-1/4  | 110-1/2 |
|            | 30       | (Prefix)-12-30-HT-36 | 48-1/4  | 116-1/2 |
| 18         | 36       | (Prefix)-12-36-HT-36 | 48-1/4  | 122-1/2 |
|            | 24       | (Prefix)-18-24-HT-36 | 52-1/4  | 110-1/2 |
|            | 30       | (Prefix)-18-30-HT-36 | 52-1/4  | 116-1/2 |
| 24         | 36       | (Prefix)-18-36-HT-36 | 52-1/4  | 122-1/2 |
|            | 30       | (Prefix)-24-30-HT-36 | 55-1/4  | 116-1/2 |
| 30         | 36       | (Prefix)-24-36-HT-36 | 55-1/4  | 122-1/2 |
|            |          | (Prefix)-30-36-HT-36 | 58-1/4  | 122-1/2 |

\* = Insert Radius

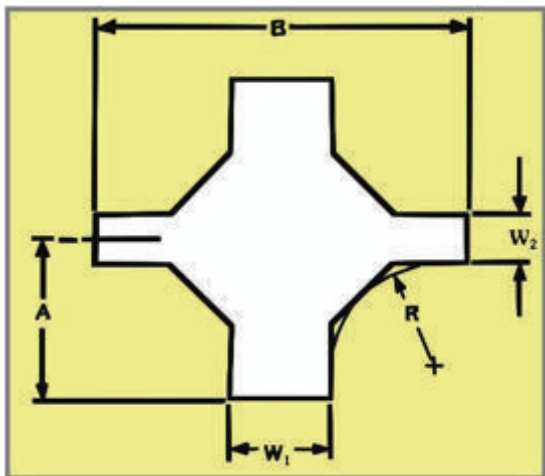
| Tray Width |          | 12" Radius                                  |         |         | 24" Radius |         |
|------------|----------|---------------------------------------------|---------|---------|------------|---------|
| W1 (in.)   | W2 (in.) | Catalog Nunmber (*Insert radius 12" or 24") | A (in.) | B (in.) | A (in.)    | B (in.) |
| 6          | 9        | (Prefix)-06-09-HT-*                         | 22-1/4  | 47-1/2  | 34-1/4     | 72-1/2  |
|            | 12       | (Prefix)-06-12-HT-*                         | 22-1/4  | 50-1/2  | 34-1/4     | 74-1/2  |
|            | 18       | (Prefix)-06-18-HT-*                         | 22-1/4  | 56-1/2  | 34-1/4     | 80-1/2  |
|            | 24       | (Prefix)-06-24-HT-*                         | 22-1/4  | 62-1/2  | 34-1/4     | 86-1/2  |
|            | 30       | (Prefix)-06-30-HT-*                         | 22-1/4  | 68-1/2  | 34-1/4     | 92-1/2  |
| 9          | 36       | (Prefix)-06-36-HT-*                         | 22-1/4  | 74-1/2  | 34-1/4     | 98-1/2  |
|            | 12       | (Prefix)-09-12-HT-*                         | 23-3/4  | 50-1/2  | 35-3/4     | 74-1/2  |
|            | 18       | (Prefix)-09-18-HT-*                         | 23-3/4  | 56-1/2  | 35-3/4     | 80-1/2  |
|            | 24       | (Prefix)-09-24-HT-*                         | 23-3/4  | 62-1/2  | 35-3/4     | 86-1/2  |
|            | 30       | (Prefix)-09-30-HT-*                         | 23-3/4  | 68-1/2  | 35-3/4     | 92-1/2  |
| 12         | 36       | (Prefix)-09-36-HT-*                         | 23-3/4  | 74-1/2  | 35-3/4     | 98-1/2  |
|            | 18       | (Prefix)-12-18-HT-*                         | 25-1/4  | 56-1/2  | 37-1/4     | 80-1/2  |
|            | 24       | (Prefix)-12-24-HT-*                         | 25-1/4  | 62-1/2  | 37-1/4     | 86-1/2  |
|            | 30       | (Prefix)-12-30-HT-*                         | 25-1/4  | 68-1/2  | 37-1/4     | 92-1/2  |
| 18         | 36       | (Prefix)-12-36-HT-*                         | 25-1/4  | 74-1/2  | 37-1/4     | 98-1/2  |
|            | 24       | (Prefix)-18-24-HT-*                         | 28-1/4  | 62-1/2  | 40-1/4     | 86-1/2  |
|            | 30       | (Prefix)-18-30-HT-*                         | 28-1/4  | 68-1/2  | 40-1/4     | 92-1/2  |
| 24         | 36       | (Prefix)-18-36-HT-*                         | 28-1/4  | 74-1/2  | 40-1/4     | 98-1/2  |
|            | 30       | (Prefix)-24-30-HT-*                         | 31-1/4  | 68-1/2  | 43-1/4     | 92-1/2  |
| 30         | 36       | (Prefix)-24-36-HT-*                         | 31-1/4  | 74-1/2  | 43-1/4     | 98-1/2  |
|            |          | (Prefix)-30-36-HT-*                         | 34-1/4  | 74-1/2  | 46-1/4     | 98-1/2  |

Available in molded or mitered





## 4" Horizontal Expanding/ Reducing Cross



| Tray Width |          | Catalog Number       | 12" Radius |         |
|------------|----------|----------------------|------------|---------|
| W1 (in.)   | W2 (in.) |                      | A (in.)    | B (in.) |
| 6          | 9        | (Prefix)-06-09-HX-36 | 22-1/4     | 47-1/2  |
|            | 12       | (Prefix)-06-12-HX-36 | 22-1/4     | 50-1/2  |
|            | 18       | (Prefix)-06-18-HX-36 | 22-1/4     | 56-1/2  |
|            | 24       | (Prefix)-06-24-HX-36 | 22-1/4     | 62-1/2  |
|            | 30       | (Prefix)-06-30-HX-36 | 22-1/4     | 68-1/2  |
|            | 36       | (Prefix)-06-36-HX-36 | 22-1/4     | 74-1/2  |
| 9          | 12       | (Prefix)-09-12-HX-36 | 23-3/4     | 50-1/2  |
|            | 18       | (Prefix)-09-18-HX-36 | 23-3/4     | 56-1/2  |
|            | 24       | (Prefix)-09-24-HX-36 | 23-3/4     | 62-1/2  |
|            | 30       | (Prefix)-09-30-HX-36 | 23-3/4     | 68-1/2  |
|            | 36       | (Prefix)-09-36-HX-36 | 23-3/4     | 74-1/2  |
| 12         | 18       | (Prefix)-12-18-HX-36 | 25-1/4     | 56-1/2  |
|            | 24       | (Prefix)-12-24-HX-36 | 25-1/4     | 62-1/2  |
|            | 30       | (Prefix)-12-30-HX-36 | 25-1/4     | 68-1/2  |
|            | 36       | (Prefix)-12-36-HX-36 | 25-1/4     | 74-1/2  |
| 18         | 24       | (Prefix)-18-24-HX-36 | 28-1/4     | 62-1/2  |
|            | 30       | (Prefix)-18-30-HX-36 | 28-1/4     | 68-1/2  |
|            | 36       | (Prefix)-18-36-HX-36 | 28-1/4     | 74-1/2  |
| 24         | 30       | (Prefix)-24-30-HX-36 | 31-1/4     | 68-1/2  |
|            | 36       | (Prefix)-24-36-HX-36 | 31-1/4     | 74-1/2  |
| 30         | 36       | (Prefix)-30-36-HX-36 | 34-1/4     | 74-1/2  |

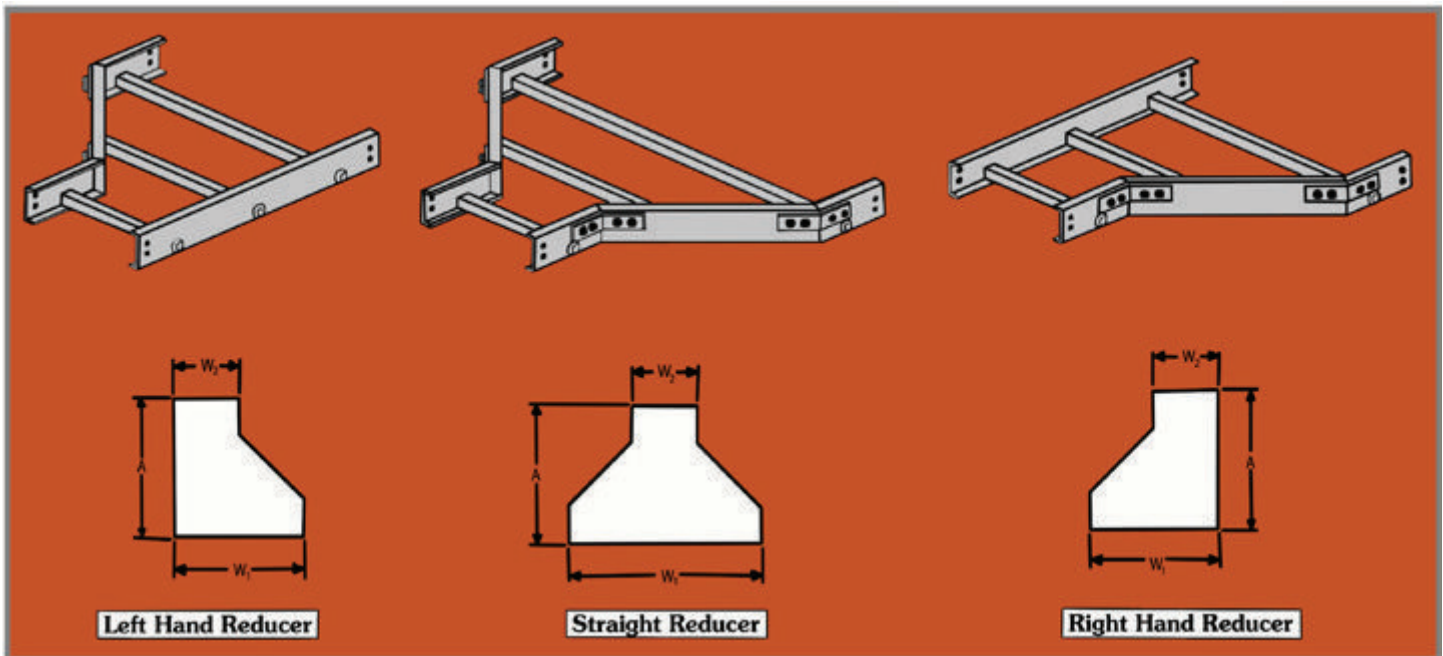
\* = Insert Radius

| Tray Width |          | Catalog Number<br>(*Insert radius 12" or 24") | 24" Radius |         | 36" Radius |         |
|------------|----------|-----------------------------------------------|------------|---------|------------|---------|
| W1 (in.)   | W2 (in.) |                                               | A (in.)    | B (in.) | A (in.)    | B (in.) |
| 6          | 9        | (Prefix)-06-09-HX-*                           | 34-1/4     | 71-1/2  | 46-1/4     | 95-1/2  |
|            | 12       | (Prefix)-06-12-HX-*                           | 34-1/4     | 74-1/2  | 46-1/4     | 98-1/2  |
|            | 18       | (Prefix)-06-18-HX-*                           | 34-1/4     | 80-1/2  | 46-1/4     | 104-1/2 |
|            | 24       | (Prefix)-06-24-HX-*                           | 34-1/4     | 86-1/2  | 46-1/4     | 110-1/2 |
|            | 30       | (Prefix)-06-30-HX-*                           | 34-1/4     | 92-1/2  | 46-1/4     | 116-1/2 |
|            | 36       | (Prefix)-06-36-HX-*                           | 34-1/4     | 98-1/2  | 46-1/4     | 122-1/2 |
| 9          | 12       | (Prefix)-09-12-HX-*                           | 35-3/4     | 74-1/2  | 47-3/4     | 98-1/2  |
|            | 18       | (Prefix)-09-18-HX-*                           | 35-3/4     | 80-1/2  | 47-3/4     | 104-1/2 |
|            | 24       | (Prefix)-09-24-HX-*                           | 35-3/4     | 86-1/2  | 47-3/4     | 110-1/2 |
|            | 30       | (Prefix)-09-30-HX-*                           | 35-3/4     | 92-1/2  | 47-3/4     | 116-1/2 |
|            | 36       | (Prefix)-09-36-HX-*                           | 35-3/4     | 98-1/2  | 47-3/4     | 122-1/2 |
| 12         | 18       | (Prefix)-12-18-HX-*                           | 37-1/4     | 80-1/2  | 49-1/4     | 104-1/2 |
|            | 24       | (Prefix)-12-24-HX-*                           | 37-1/4     | 86-1/2  | 49-1/4     | 110-1/2 |
|            | 30       | (Prefix)-12-30-HX-*                           | 37-1/4     | 92-1/2  | 49-1/4     | 116-1/2 |
|            | 36       | (Prefix)-12-36-HX-*                           | 37-1/4     | 98-1/2  | 49-1/4     | 122-1/2 |
| 18         | 24       | (Prefix)-18-24-HX-*                           | 40-1/4     | 86-1/2  | 52-1/4     | 110-1/2 |
|            | 30       | (Prefix)-18-30-HX-*                           | 40-1/4     | 92-1/2  | 52-1/4     | 116-1/2 |
|            | 36       | (Prefix)-18-36-HX-*                           | 40-1/4     | 98-1/2  | 52-1/4     | 122-1/2 |
| 24         | 30       | (Prefix)-24-30-HX-*                           | 43-1/4     | 92-1/2  | 55-1/4     | 116-1/2 |
|            | 36       | (Prefix)-24-36-HX-*                           | 43-1/4     | 98-1/2  | 55-1/4     | 122-1/2 |
| 30         | 36       | (Prefix)-30-36-HX-*                           | 46-1/4     | 98-1/2  | 58-1/4     | 122-1/2 |

Available in molded or mitered



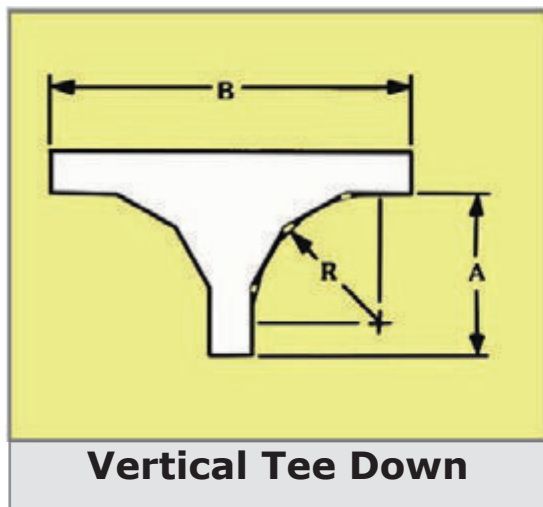
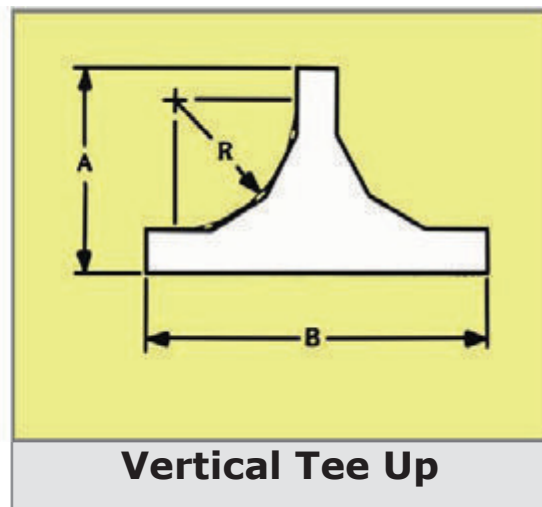
## 4" Reducers



| Tray Width  |             | Left Hand Reducer |            | Straight Reducer |            | Right Hand Reducer |            |
|-------------|-------------|-------------------|------------|------------------|------------|--------------------|------------|
| W1<br>(in.) | W2<br>(in.) | Catalog Number    | A<br>(in.) | Catalog Number   | A<br>(in.) | Catalog Number     | A<br>(in.) |
| 9           | 6           | (Prefix)-09-LR06  | 17-1/2     | (Prefix)-09-SR06 | 16         | (Prefix)-09-RR06   | 17-1/2     |
| 12          | 6           | (Prefix)-12-LR06  | 20-1/2     | (Prefix)-12-SR06 | 17-1/2     | (Prefix)-12-RR06   | 20-1/2     |
|             | 9           | (Prefix)-12-LR09  | 17-1/2     | (Prefix)-12-SR09 | 16         | (Prefix)-12-RR09   | 17-1/2     |
| 18          | 6           | (Prefix)-18-LR06  | 26-1/2     | (Prefix)-18-SR06 | 20-1/2     | (Prefix)-18-RR06   | 26-1/2     |
|             | 9           | (Prefix)-18-LR09  | 23-1/2     | (Prefix)-18-SR09 | 19         | (Prefix)-18-RR09   | 23-1/2     |
|             | 12          | (Prefix)-18-LR12  | 20-1/2     | (Prefix)-18-SR12 | 17-1/2     | (Prefix)-18-RR12   | 20-1/2     |
| 24          | 6           | (Prefix)-24-LR06  | 32-1/2     | (Prefix)-24-SR06 | 23-1/2     | (Prefix)-24-RR06   | 32-1/2     |
|             | 9           | (Prefix)-24-LR09  | 29-1/2     | (Prefix)-24-SR09 | 22         | (Prefix)-24-RR09   | 29-1/2     |
|             | 12          | (Prefix)-24-LR12  | 26-1/2     | (Prefix)-24-SR12 | 20-1/2     | (Prefix)-24-RR12   | 26-1/2     |
|             | 18          | (Prefix)-24-LR18  | 20-1/2     | (Prefix)-24-SR18 | 17-1/2     | (Prefix)-24-RR18   | 20-1/2     |
| 30          | 6           | (Prefix)-30-LR06  | 38-1/2     | (Prefix)-30-SR06 | 26-1/2     | (Prefix)-30-RR06   | 38-1/2     |
|             | 9           | (Prefix)-30-LR09  | 35-1/2     | (Prefix)-30-SR09 | 25         | (Prefix)-30-RR09   | 35-1/2     |
|             | 12          | (Prefix)-30-LR12  | 32-1/2     | (Prefix)-30-SR12 | 23-1/2     | (Prefix)-30-RR12   | 32-1/2     |
|             | 18          | (Prefix)-30-LR18  | 26-1/2     | (Prefix)-30-SR18 | 20-1/2     | (Prefix)-30-RR18   | 26-1/2     |
|             | 24          | (Prefix)-30-LR24  | 20-1/2     | (Prefix)-30-SR24 | 17-1/2     | (Prefix)-30-RR24   | 20-1/2     |
| 36          | 6           | (Prefix)-36-LR06  | 44-1/2     | (Prefix)-36-SR06 | 29-1/2     | (Prefix)-36-RR06   | 44-1/2     |
|             | 9           | (Prefix)-36-LR09  | 41-1/2     | (Prefix)-36-SR09 | 28         | (Prefix)-36-RR09   | 41-1/2     |
|             | 12          | (Prefix)-36-LR12  | 38-1/2     | (Prefix)-36-SR12 | 26-1/2     | (Prefix)-36-RR12   | 38-1/2     |
|             | 18          | (Prefix)-36-LR18  | 32-1/2     | (Prefix)-36-SR18 | 23-1/2     | (Prefix)-36-RR18   | 32-1/2     |
|             | 24          | (Prefix)-36-LR24  | 26-1/2     | (Prefix)-36-SR24 | 20-1/2     | (Prefix)-36-RR24   | 26-1/2     |
|             | 30          | (Prefix)-36-LR30  | 20-1/2     | (Prefix)-36-SR30 | 17-1/2     | (Prefix)-36-RR30   | 20-1/2     |

16-FIBERGLASS

Available in molded or mitered


**Vertical Tee Down**

**Vertical Tee Up**

Two pair of splice plates with SS6 hardware included.

( ) = Insert VU or VD

|                                |                        |                     | Vertical Tee Down |            | Vertical Tee Up |            |
|--------------------------------|------------------------|---------------------|-------------------|------------|-----------------|------------|
| -R-<br>Bend<br>Radius<br>(in.) | Tray<br>Width<br>(in.) | Catalog Number      | A<br>(in.)        | B<br>(in.) | A<br>(in.)      | B<br>(in.) |
| 12                             | 6                      | *(Prefix)-( )-06-12 | 19-1/4            | 42-1/2     | 23-1/4          | 42-1/2     |
|                                | 9                      | *(Prefix)-( )-09-12 |                   |            |                 |            |
|                                | 12                     | *(Prefix)-( )-12-12 |                   |            |                 |            |
|                                | 18                     | *(Prefix)-( )-18-12 |                   |            |                 |            |
|                                | 24                     | *(Prefix)-( )-24-12 |                   |            |                 |            |
|                                | 30                     | *(Prefix)-( )-30-12 |                   |            |                 |            |
|                                | 36                     | *(Prefix)-( )-36-12 |                   |            |                 |            |
| 24                             | 6                      | (Prefix)-( )-06-24  | 31                | 66         | 35              | 66         |
|                                | 9                      | (Prefix)-( )-09-24  |                   |            |                 |            |
|                                | 12                     | (Prefix)-( )-12-24  |                   |            |                 |            |
|                                | 18                     | (Prefix)-( )-18-24  |                   |            |                 |            |
|                                | 24                     | (Prefix)-( )-24-24  |                   |            |                 |            |
|                                | 30                     | (Prefix)-( )-30-24  |                   |            |                 |            |
|                                | 36                     | (Prefix)-( )-36-24  |                   |            |                 |            |
| 36                             | 6                      | (Prefix)-( )-06-36  | 43                | 90         | 47              | 90         |
|                                | 9                      | (Prefix)-( )-09-36  |                   |            |                 |            |
|                                | 12                     | (Prefix)-( )-12-36  |                   |            |                 |            |
|                                | 18                     | (Prefix)-( )-18-36  |                   |            |                 |            |
|                                | 24                     | (Prefix)-( )-24-36  |                   |            |                 |            |
|                                | 30                     | (Prefix)-( )-30-36  |                   |            |                 |            |

16-FIBERGLASS

Available in molded or mitered



## 3P-9-18-120

### Prefix

|               |                 |                     |              |               |
|---------------|-----------------|---------------------|--------------|---------------|
| <b>3</b>      | <b>P-</b>       | <b>9-</b>           | <b>18-</b>   | <b>120</b>    |
| <b>Series</b> | <b>Material</b> | <b>Rung Spacing</b> | <b>Width</b> | <b>Length</b> |

**Series:**

3

P=Polyester  
Resin

V=Vinylester  
Resin

**Rung Spacing:**

06"  
09"  
12"  
18"

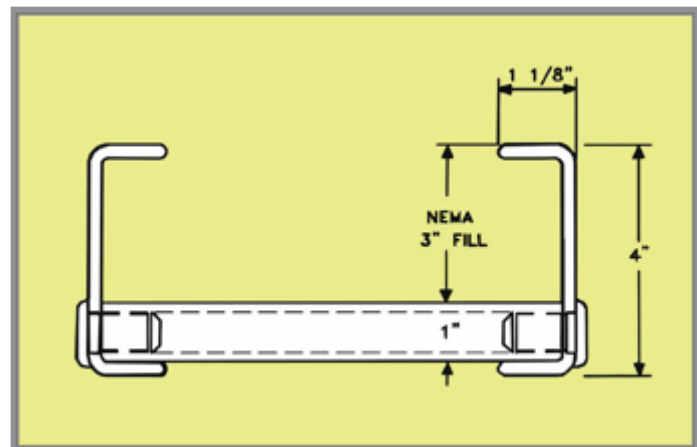
**Width:**

06"  
09"  
12"  
18"  
24"  
30"  
36"

**Length:**

120 (10ft.)  
240 (20ft.)

To obtain deflection at any span length for lighter loads than listed, multiply the load by the K factor. When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%.



### Husky Series 3

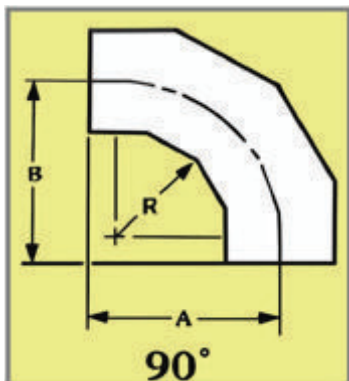
### Safety Factor 1.5

| Span (Ft.)                                              | 6     | 8     | 10    | 12    | 14    |
|---------------------------------------------------------|-------|-------|-------|-------|-------|
| Design Load Lbs./Ft.                                    | 257   | 145   | 93    | 64    | 47    |
| Deflection                                              | 1.3   | 2.3   | 3.7   | 5.3   | 7.2   |
| K Factor                                                | 0.005 | 0.016 | 0.040 | 0.083 | 0.153 |
| Loading—NEMA 8C *tested per NEMA FG-1, 12" rung spacing |       |       |       |       |       |

16-FIBERGLASS

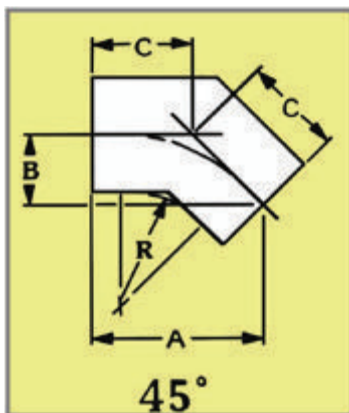


## 90° Horizontal Bend Dimensions.



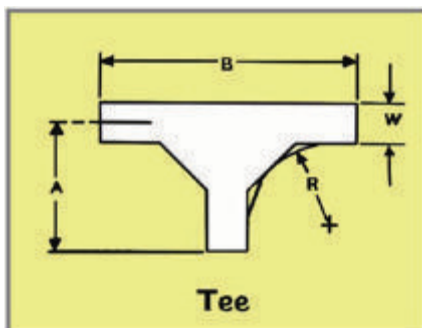
| -R- Bend Radius (in.) | Tray Width (in.) | Catalog Number      | A Inches | B Inches |
|-----------------------|------------------|---------------------|----------|----------|
| 12                    | 6                | (Prefix)-06-90HB-12 | 20-3/8   | 20-3/8   |
|                       | 9                | (Prefix)-09-90HB-12 | 21-7/8   | 21-7/8   |
|                       | 12               | (Prefix)-12-90HB-12 | 23-3/8   | 23-3/8   |
|                       | 18               | (Prefix)-18-90HB-12 | 26-3/8   | 26-3/8   |
|                       | 24               | (Prefix)-24-90HB-12 | 29-3/8   | 29-3/8   |

## 45° Horizontal Bend Dimensions



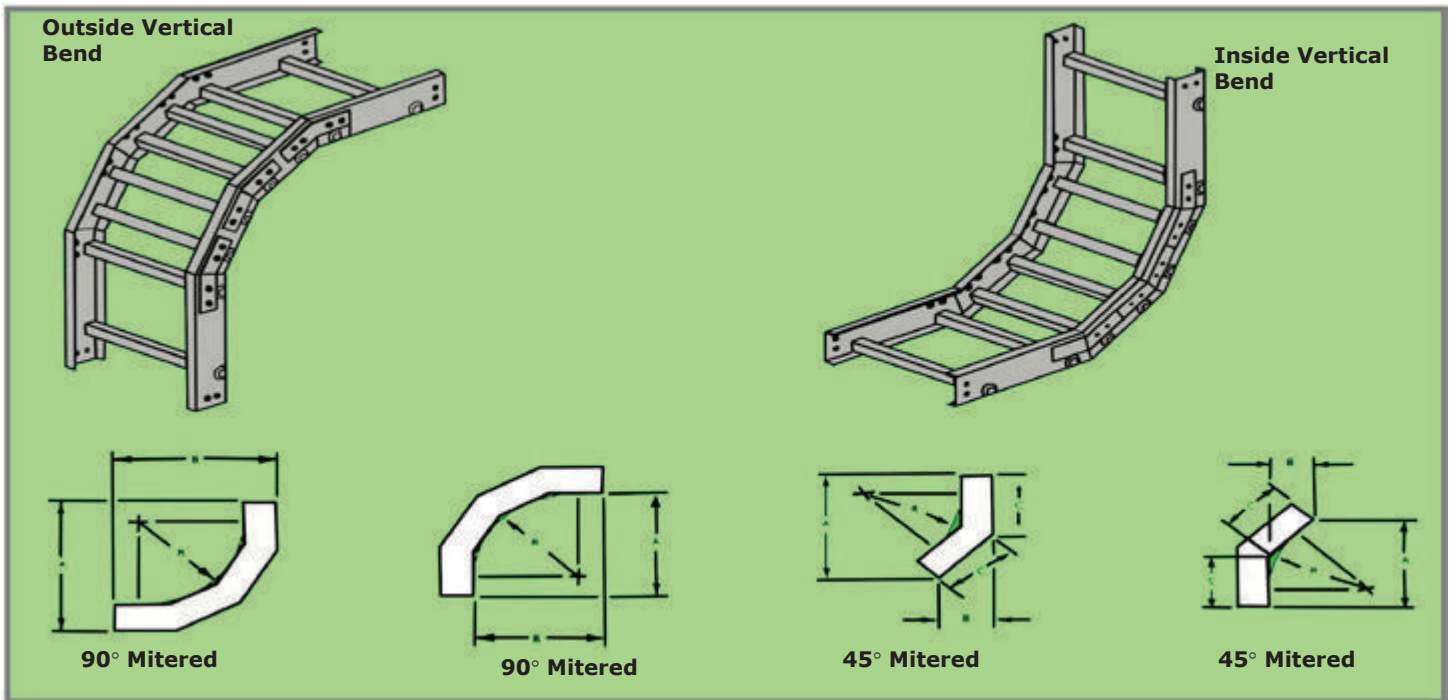
| -R- Bend Radius (in.) | Tray Width (in.) | Catalog Number      | A Inches | B Inches | C Inches |
|-----------------------|------------------|---------------------|----------|----------|----------|
| 12                    | 6                | (Prefix)-06-45HB-12 | 22-13/16 | 9-7/16   | 13-3/8   |
|                       | 9                | (Prefix)-09-45HB-12 | 23-7/8   | 9-7/8    | 14       |
|                       | 12               | (Prefix)-12-45HB-12 | 24-7/8   | 10-5/16  | 14-5/8   |
|                       | 18               | (Prefix)-18-45HB-12 | 27       | 11-3/16  | 15-7/8   |
|                       | 24               | (Prefix)-24-45HB-12 | 29-3/16  | 12-1/16  | 17-1/8   |

## Horizontal Tee



| -R- Bend Radius (in.) | Tray Width (in.) | Catalog Number    | A Inches | B Inches |
|-----------------------|------------------|-------------------|----------|----------|
| 12                    | 6                | (Prefix)-06-HT-12 | 19-1/4   | 38       |
|                       | 9                | (Prefix)-09-HT-12 | 20-3/4   | 41-1/2   |
|                       | 12               | (Prefix)-12-HT-12 | 22-1/4   | 44-1/2   |
|                       | 18               | (Prefix)-18-HT-12 | 25-1/4   | 50-1/2   |
|                       | 24               | (Prefix)-24-HT-12 | 28-1/4   | 56-1/2   |

Available in molded or mitered



## 90° Vertical Bend Dimensions

|                      |                  |                      | Vertical Outside Bend |          | Vertical Inside Bend |          |
|----------------------|------------------|----------------------|-----------------------|----------|----------------------|----------|
| -R-Bend Radius (in.) | Tray Width (in.) | Catalog Number       | A In.                 | B In.    | A In.                | B In.    |
| 12                   | 6                | (Prefix)-06-90(*)-12 | 20-15/16              | 20-15/16 | 26-15/16             | 26-15/16 |
|                      | 9                | (Prefix)-09-90(*)-12 |                       |          |                      |          |
|                      | 12               | (Prefix)-12-90(*)-12 |                       |          |                      |          |
|                      | 18               | (Prefix)-18-90(*)-12 |                       |          |                      |          |
|                      | 24               | (Prefix)-24-90(*)-12 |                       |          |                      |          |

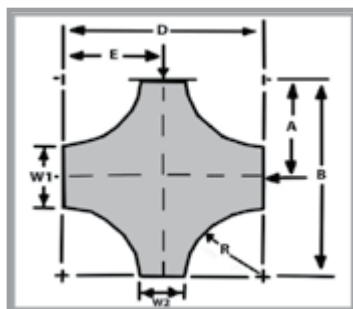
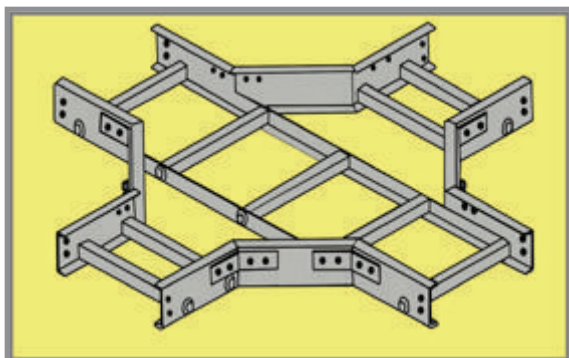
## 45° Vertical Bend Dimensions

|                      |                  |                      | Vertical Outside Bend |       |        | Vertical Inside Bend |       |        |
|----------------------|------------------|----------------------|-----------------------|-------|--------|----------------------|-------|--------|
| -R-Bend Radius (in.) | Tray Width (in.) | Catalog Number       | A In.                 | B In. | C In.  | A In.                | B In. | C In.  |
| 12                   | 6                | (Prefix)-06-45(*)-12 | 20-1/2                | 8-1/2 | 13-1/4 | 22-5/8               | 9-3/8 | 13-1/4 |
|                      | 9                | (Prefix)-09-45(*)-12 |                       |       |        |                      |       |        |
|                      | 12               | (Prefix)-12-45(*)-12 |                       |       |        |                      |       |        |
|                      | 18               | (Prefix)-18-45(*)-12 |                       |       |        |                      |       |        |
|                      | 24               | (Prefix)-24-45(*)-12 |                       |       |        |                      |       |        |

16-FIBERGLASS

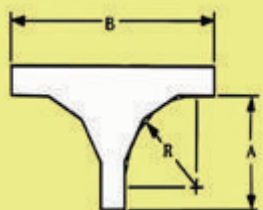
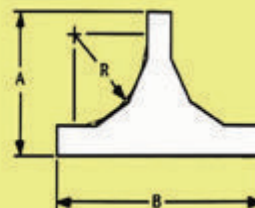
Available in molded or mitered

(\*) - insert VI for vertical inside or VO for vertical outside. One pair of splice plates with SS6 hardware is included.


**Mitered**
**3" Horizontal Expanding/Reducing Cross**

| Tray Width |          | Catalog Number       | 12" Radius |         |
|------------|----------|----------------------|------------|---------|
| W1 (in.)   | W2 (in.) |                      | A (in.)    | B (in.) |
| 9          | 6        | (Prefix)-09-06-HX-12 | 19-1/4     | 41-1/2  |
| 12         | 6        | (Prefix)-12-06-HX-12 | 19-1/4     | 44-1/2  |
|            | 9        | (Prefix)-12-09-HX-12 | 20-3/4     | 44-1/2  |
| 18         | 6        | (Prefix)-18-06-HX-12 | 19-1/4     | 50-1/2  |
|            | 9        | (Prefix)-18-09-HX-12 | 20-3/4     | 50-1/2  |
|            | 12       | (Prefix)-18-12-HX-12 | 22-1/4     | 50-1/2  |
| 24         | 6        | (Prefix)-24-06-HX-12 | 19-1/4     | 56-1/2  |
|            | 9        | (Prefix)-24-09-HX-12 | 20-3/4     | 56-1/2  |
|            | 12       | (Prefix)-24-12-HX-12 | 22-1/4     | 56-1/2  |
|            | 18       | (Prefix)-24-18-HX-12 | 25-1/4     | 56-1/2  |

Three pair of splice plates with SS6 hardware are included.

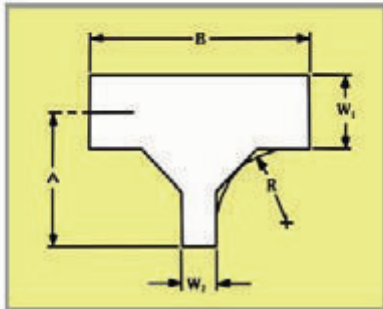
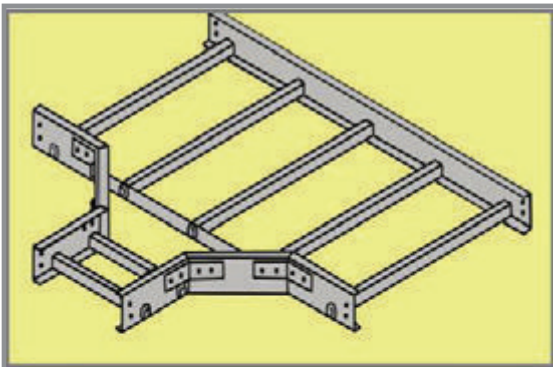
**Vertical Tee Down**

**Vertical Tee Up**

**3" Vertical Tees—Down and Up**

|                      |            | Catalog Number     | Vertical Tee Down |         | Vertical Tee Up |         |
|----------------------|------------|--------------------|-------------------|---------|-----------------|---------|
| -R-Bend Radius (in.) | Tray Width |                    | A (in.)           | B (in.) | A (in.)         | B (in.) |
| 12                   | 6          | (Prefix)-( )-06-12 | 23-15/16          | 50-7/8  | 26-15/16        | 50-7/8  |
|                      | 9          | (Prefix)-( )-09-12 |                   |         |                 |         |
|                      | 12         | (Prefix)-( )-12-12 |                   |         |                 |         |
|                      | 18         | (Prefix)-( )-18-12 |                   |         |                 |         |
|                      | 24         | (Prefix)-( )-24-12 |                   |         |                 |         |

( ) = Insert VU or VD

Available in molded or mitered





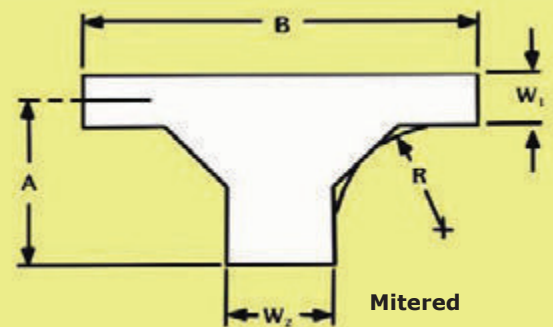
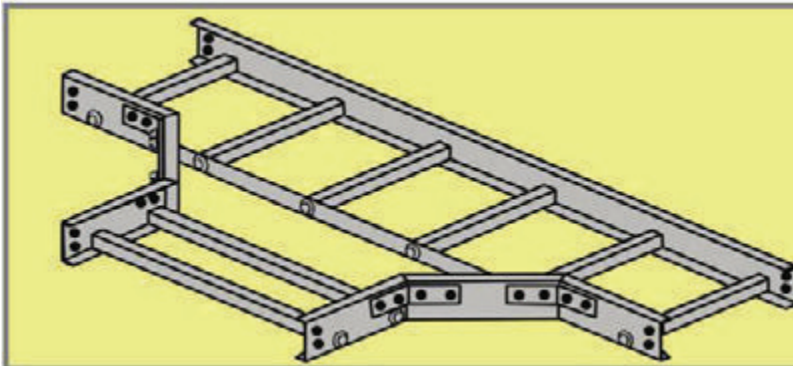
Mitered

### 3" Horizontal Reducing Tee

| Tray Width |          | Catalog Number       | 12" Radius |         |
|------------|----------|----------------------|------------|---------|
| W1 (in.)   | W2 (in.) |                      | A (in.)    | B (in.) |
| 9          | 6        | (Prefix)-09-06-HT-12 | 20-3/4     | 38-1/2  |
| 12         | 6        | (Prefix)-12-06-HT-12 | 22-1/4     | 38-1/2  |
|            | 9        | (Prefix)-12-09-HT-12 | 22-1/4     | 41-1/2  |
| 18         | 6        | (Prefix)-18-06-HT-12 | 25-1/4     | 38-1/2  |
|            | 9        | (Prefix)-18-09-HT-12 | 25-1/4     | 41-1/2  |
|            | 12       | (Prefix)-18-12-HT-12 | 25-1/4     | 44-1/2  |
| 24         | 6        | (Prefix)-24-06-HT-12 | 28-1/4     | 38-1/2  |
|            | 9        | (Prefix)-24-09-HT-12 | 28-1/4     | 41-1/2  |
|            | 12       | (Prefix)-24-12-HT-12 | 28-1/4     | 44-1/2  |
|            | 18       | (Prefix)-24-18-HT-12 | 28-1/4     | 50-1/2  |

Two pair of splice plates with SS6 hardware are included.

### 3" Horizontal Enlarging Tee

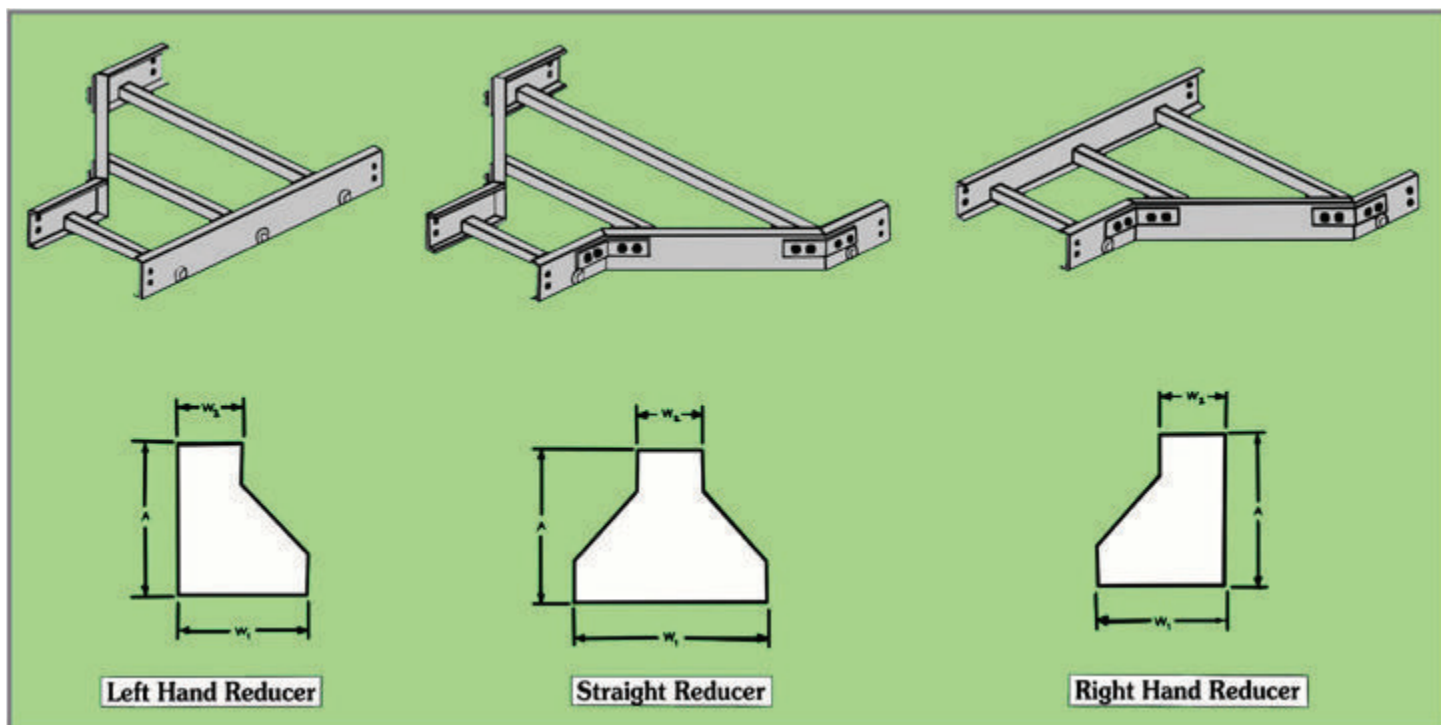


Mitered

| Tray Width |          | Catalog Number       | 12" Radius |         |
|------------|----------|----------------------|------------|---------|
| W1 (in.)   | W2 (in.) |                      | A (in.)    | B (in.) |
| 6          | 9        | (Prefix)-06-09-HT-12 | 19-1/4     | 41-1/2  |
|            | 12       | (Prefix)-06-12-HT-12 | 19-1/4     | 44-1/2  |
|            | 18       | (Prefix)-06-18-HT-12 | 19-1/4     | 50-1/2  |
|            | 24       | (Prefix)-06-24-HT-12 | 19-1/4     | 56-1/2  |
| 9          | 12       | (Prefix)-09-12-HT-12 | 20-3/4     | 44-1/2  |
|            | 18       | (Prefix)-09-18-HT-12 | 20-3/4     | 50-1/2  |
|            | 24       | (Prefix)-09-24-HT-12 | 20-3/4     | 56-1/2  |
| 12         | 18       | (Prefix)-12-18-HT-12 | 22-1/4     | 50-1/2  |
|            | 24       | (Prefix)-12-24-HT-12 | 22-1/4     | 56-1/2  |
| 18         | 24       | (Prefix)-18-24-HT-12 | 25-1/4     | 56-1/2  |

Two pair of splice plates with SS6 hardware are included.

Available in molded or mitered

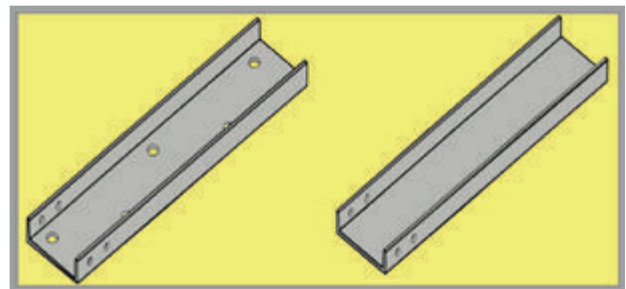


| Tray Width  |             | Left Hand Reducer |            | Straight Reducer |            | Right Hand Reducer |            |
|-------------|-------------|-------------------|------------|------------------|------------|--------------------|------------|
| W1<br>(in.) | W2<br>(in.) | Catalog Number    | A<br>(in.) | Catalog Number   | A<br>(in.) | Catalog Number     | A<br>(in.) |
| 9           | 6           | (Prefix)-09-LR06  | 17-1/2     | (Prefix)-09-SR06 | 16         | (Prefix)-09-RR06   | 17-1/2     |
| 12          | 6           | (Prefix)-12-LR06  | 20-1/2     | (Prefix)-12-SR06 | 17-1/2     | (Prefix)-12-RR06   | 20-1/2     |
|             | 9           | (Prefix)-12-LR09  | 17-1/2     | (Prefix)-12-SR09 | 16         | (Prefix)-12-RR09   | 17-1/2     |
| 18          | 6           | (Prefix)-18-LR06  | 26-1/2     | (Prefix)-18-SR06 | 20-1/2     | (Prefix)-18-RR06   | 26-1/2     |
|             | 9           | (Prefix)-18-LR09  | 23-1/2     | (Prefix)-18-SR09 | 19         | (Prefix)-18-RR09   | 23-1/2     |
|             | 12          | (Prefix)-18-LR12  | 20-1/2     | (Prefix)-18-SR12 | 17-1/2     | (Prefix)-18-RR12   | 20-1/2     |
| 24          | 6           | (Prefix)-24-LR06  | 32-1/2     | (Prefix)-24-SR06 | 23-1/2     | (Prefix)-24-RR06   | 32-1/2     |
|             | 9           | (Prefix)-24-LR09  | 29-1/2     | (Prefix)-24-SR09 | 22         | (Prefix)-24-RR09   | 29-1/2     |
|             | 12          | (Prefix)-24-LR12  | 26-1/2     | (Prefix)-24-SR12 | 20-1/2     | (Prefix)-24-RR12   | 26-1/2     |
|             | 18          | (Prefix)-24-LR18  | 20-1/2     | (Prefix)-24-SR18 | 17-1/2     | (Prefix)-24-RR18   | 20-1/2     |

| FCC-VP-03-120             |                     |                                                  |                                              |
|---------------------------|---------------------|--------------------------------------------------|----------------------------------------------|
| FCC                       | VP-                 | 03-                                              | 120                                          |
| Series                    | Material            | Width                                            | Length                                       |
| <b>Series:</b><br>Channel | VP=Polyester Resin  | <b>Width:</b><br>02"<br>03"<br>04"<br>06"<br>08" | <b>Length:</b><br>120 (10ft.)<br>240 (20ft.) |
|                           | VV=Vinylester Resin |                                                  |                                              |

Husky Fiberglass Cable Channel Tray is available in Ventilated and Non-Ventilated Design and in Polyester or Vinylester material. The height information is listed below:

2"W—1" High  
 3"W - 1" High  
 4"W - 1-1/8" High  
 6"W - 1-5/8" High  
 8"W—2-3/16" High



*Note: Splice plates are not included.*

| VENTILATED   |              |             |              |
|--------------|--------------|-------------|--------------|
| Polyester    | Vinylester   | Width (in.) | Length (ft.) |
| FCCVP-02-120 | FCCVV-02-120 | 2           | 10           |
| FCCVP-02-240 | FCCVV-02-240 | 2           | 20           |
| FCCVP-03-120 | FCCVV-03-120 | 3           | 10           |
| FCCVP-03-240 | FCCVV-03-240 | 3           | 20           |
| FCCVP-04-120 | FCCVV-04-120 | 4           | 10           |
| FCCVP-04-240 | FCCVV-04-240 | 4           | 20           |
| FCCVP-06-120 | FCCVV-06-120 | 6           | 10           |
| FCCVP-06-240 | FCCVV-06-240 | 6           | 20           |
| FCCVP-08-120 | FCCVV-08-120 | 8           | 10           |
| FCCVP-08-240 | FCCVV-08-240 | 8           | 20           |

| NON-VENTILATED |              |             |              |
|----------------|--------------|-------------|--------------|
| Polyester      | Vinylester   | Width (in.) | Length (ft.) |
| FCCNP-02-120   | FCCNV-02-120 | 2           | 10           |
| FCCNP-02-240   | FCCNV-02-240 | 2           | 20           |
| FCCNP-03-120   | FCCNV-03-120 | 3           | 10           |
| FCCNP-03-240   | FCCNV-03-240 | 3           | 20           |
| FCCNP-04-120   | FCCNV-04-120 | 4           | 10           |
| FCCNP-04-240   | FCCNV-04-240 | 4           | 20           |
| FCCNP-06-120   | FCCNV-06-120 | 6           | 10           |
| FCCNP-06-240   | FCCNV-06-240 | 6           | 20           |
| FCCNP-08-120   | FCCNV-08-120 | 8           | 10           |
| FCCNP-08-240   | FCCNV-08-240 | 8           | 20           |

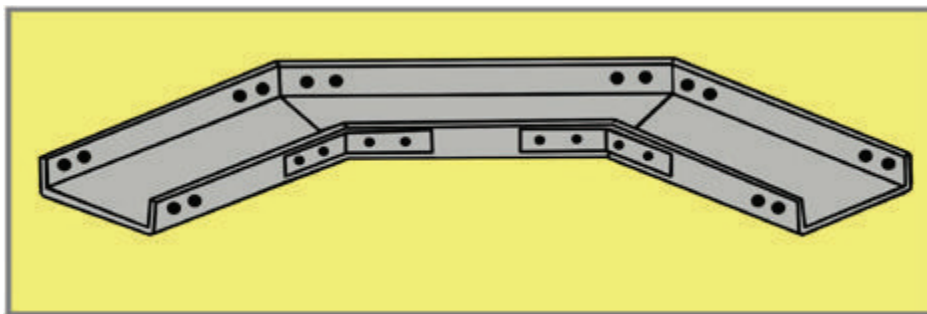
16-FIBERGLASS

Available in molded or mitered



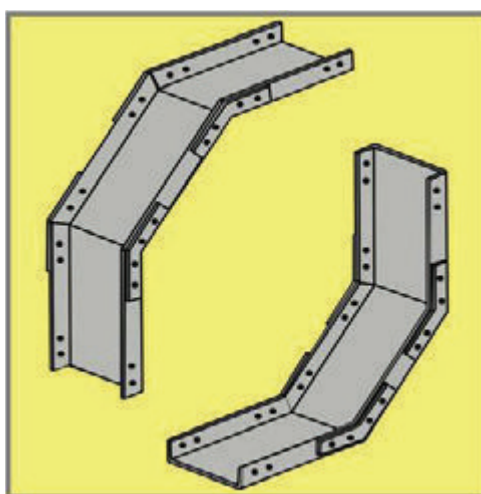


## Cable Channel Fittings



*One pair of splice plates are included.*

| Horizontal | 3" Wide          | 4" Wide          | 6" Wide          | 8" Wide          |
|------------|------------------|------------------|------------------|------------------|
| 90°        | FCCNP-03-90HB-12 | FCCNP-04-90HB-12 | FCCNP-06-90HB-12 | FCCNP-08-90HB-12 |
| 45°        | FCCNP-03-45HB-12 | FCCNP-04-45HB-12 | FCCNP-06-45HB-12 | FCCNP-08-45HB-12 |



*One pair of splice plates are included.*

| Vertical | 3" Wide         | 4" Wide         | 6" Wide         | 8" Wide         |
|----------|-----------------|-----------------|-----------------|-----------------|
| 90°      | FCCNP-03-90V*12 | FCCNP-04-90V*12 | FCCNP-06-90V*12 | FCCNP-08-90V*12 |
| 45°      | FCCNP-03-45V*12 | FCCNP-04-45V*12 | FCCNP-06-45V*12 | FCCNP-08-45V*12 |

*Notes: \*Insert "O" for Vertical Out or "I" for Vertical In. For vinylester resin, "V" must be added appropriately to the part number in place of "P".*

*Example: FCCNV-04-90HB12*

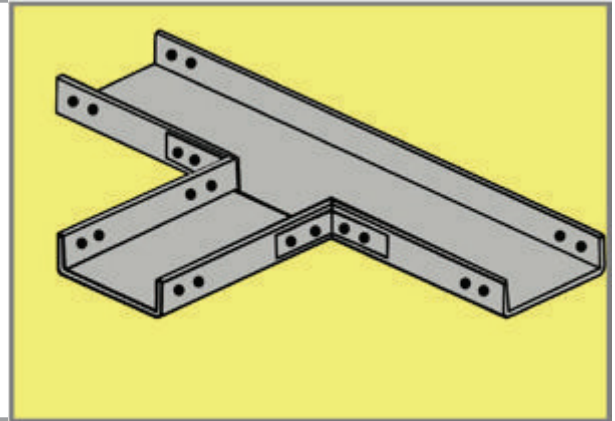
**All Fittings can be supplied as Mitered or Molded. Please indicate preference when ordering by using an "M" for Mitered.**

## Cable Channel Fittings

### Horizontal Tees

| Catalog Number | Width (in.) |
|----------------|-------------|
| FCCNP-03-HT-12 | 03          |
| FCCNP-04-HT-12 | 04          |
| FCCNP-06-HT-12 | 06          |
| FCCNP-08-HT-12 | 08          |

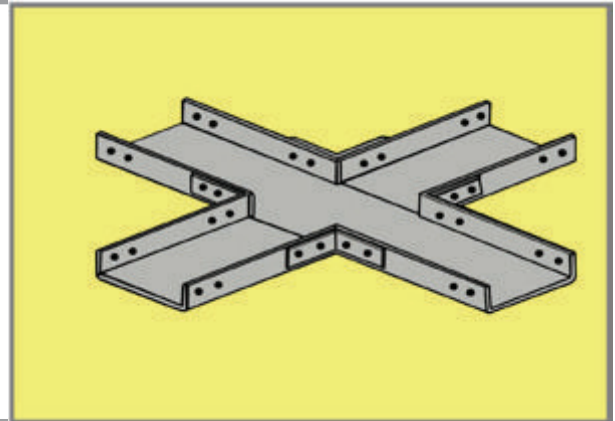
Two pairs of splice plates are included.



### Horizontal Crosses

| Catalog Number | Width (in.) |
|----------------|-------------|
| FCCNP-03-HX-12 | 03          |
| FCCNP-04-HX-12 | 04          |
| FCCNP-06-HX-12 | 06          |
| FCCNP-08-HX-12 | 08          |

Three pairs of splice plates are included.

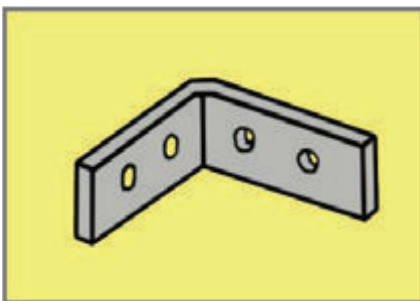


## Cable Channel Splice Plates

XSS = Stainless Steel

XFP = Polyester

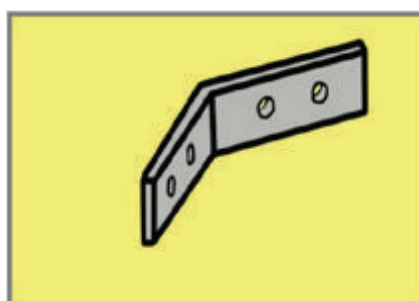
XFV = Vinylester



### Horizontal 90° Splice Plates

Catalog #  
XSS-1901H-SS6  
XFP-1901H-SS6  
XFV-1901H-SS6

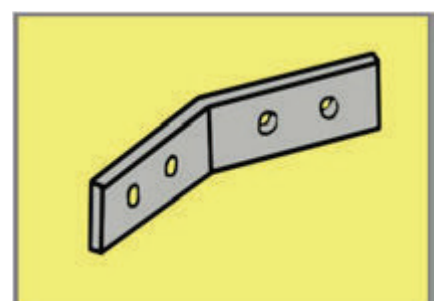
Sold in pairs.



### Horizontal 45° Splice Plates

Catalog #  
XSS-1451H-SS6  
XFP-1451H-SS6  
XFV-1451H-SS6

Sold in pairs.



### Horizontal 30° Splice Plates (pairs)

Catalog #  
XSS-1301H-SS6  
XFP-1301H-SS6  
XFV-1301H-SS6

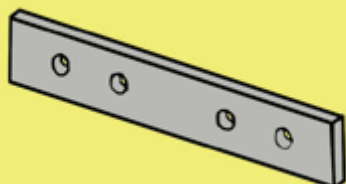
Sold in pairs.

Available in molded or mitered





## Cable Channel Splice Plates



### Splice Plates

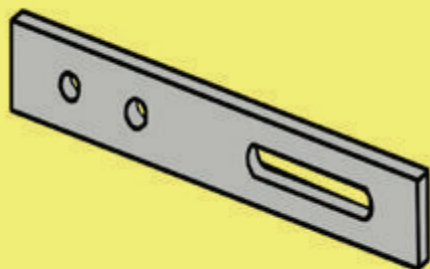
#### Catalog #

XSS-1001-SS6

XFP-1001-SS6

XFV-1001-SS6

These splice plates are sold in pairs.



### Expansion Splice Plates

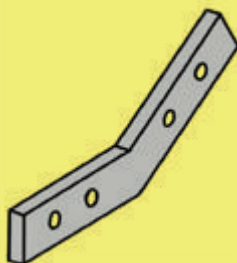
#### Catalog #

XSS-1011-SS6

XFP-1011-SS6

XFV-1011-SS6

These splice plates are sold in pairs.

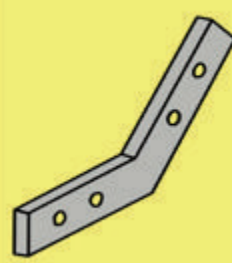


### Vertical 30° Splice Plate

#### Catalog #

XSS-1301H-SS6

Sold in pairs.



### Vertical 45° Splice Plate

#### Catalog #

XSS-1451H-SS6

Sold in pairs.



### Vertical 90° Splice Plate

#### Catalog #

XSS-1901V-SS6

Sold in pairs.

XSS = Stainless Steel

XFP = Polyester

XFV = Vinylester

## Channel Accessories

Available in molded or mitered

Part Number with Hardware Explanation—Part # XSS-0000\*

\*Indicates that additional information must be furnished to specify the type of hardware.

| Hardware Option | 316 Stainless Steel | Monel | Silicone Bronze | Husky Fiberglass |
|-----------------|---------------------|-------|-----------------|------------------|
| Replace * with  | SS6                 | MO    | SB              | FR               |

Examples: XSS-4003—pair of 4 hole splice plates for 3" system without hardware

XSS-4004 SS6—pair of 4 hole splice plates for 4" system with stainless steel hardware

CSS-8006 SB—pair of 8 hole splice plates for 6" system with silicon bronze hardware





## Recommended Fiberglass Cable Tray Specifications

### 1.0 Cable Tray Design

- 1.1 Cable Tray System shall be made of straight sections, fitting and accessories as defined in the latest NEMA standards publication FG-1.

### 2.0 Cable Tray Design

- 2.1 Straight section structural elements: side rails, rungs and splice plates shall be pultruded from glass fiber reinforced polyester or vinylester resin.
- 2.2 Pultruded shapes shall be constructed with a surface veil to ensure a resin-rich surface and ultraviolet resistance.
- 2.3 Pultruded shapes shall meet ASTM E-84, Class 1 flame rating and self-extinguishing requirements of ASTM D-635.

### 3.0 Construction

- 3.1 Straight section lengths will be 120 inches (10ft.) or 240 inches (20ft.) standard.
- 3.2 Side rails will be inward "C" configuration and be pre-drilled to accept splice plates.
- 3.3 Loading depths for cable tray systems shall be 5", 3", or 2" as per NEMA FG-1 tolerances. Overall heights shall be 6", 4", or 3" respectively.

### 4.0 Fittings

- 4.1 Molded fittings shall be formed with a minimum 3" tangent following the radius.
- 4.2 3" or 5" loading depth systems shall have 90° and 45° molded fittings in 12" or 24" radius.
- 4.3 All fittings not included in 4.2 should be of mitered construction.
- 4.4 Width—useable inside tray width shall be 6", 9", 12", 18", 24", 30", or 36". Outside width shall not exceed inside by more than a total of 2".
- 4.5 Straight and expansion splice plates will be of stainless steel or Husky Fiberglass design with an eight bolt pattern in 5" fill systems and four bolt pattern in 3" and 2" fill systems.
- 4.6 Dimension tolerances will be per NEMA FG-1.
- 4.7 Cable tray must have integral connection between side rails and rungs consisting of non-metallic mechanical fasteners and adhesive bonding.

### 5.0 Manufacture

- 5.1 All manufacturing practices will be in accordance with NEMA FG-1.



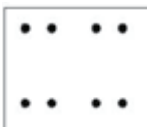


## Accessories

### Standard Splice Plates

Included in needed quantities with tray section:

- ◆ Order only pairs of splice plates needed for field fabrication.
- ◆ SS6 hardware supplied as standard—use SS6 suffix.
- ◆ Other hardware available, specify by hardware suffix. Hardware other than SS6 is considered special.



| Height | Catalog No. (Stainless) | Catalog No. (Polyester) | Catalog No. (Vinylester) |
|--------|-------------------------|-------------------------|--------------------------|
| 6"     | XSS-8006*               | XFP-8006*               | XFV-8006*                |
| 4"     | XSS-4004*               | XFP-4004*               | XFV-4004*                |
| 3"     | XSS-4003*               | XFP-4003*               | XFV-4003*                |

### Expansion Splice Plate

- ◆ \* = Hardware suffix needed to complete part number.



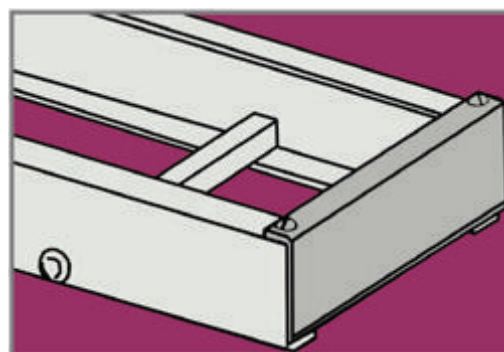
| Height | Catalog No. (Stainless) | Catalog No. (Polyester) | Catalog No. (Vinylester) |
|--------|-------------------------|-------------------------|--------------------------|
| 6"     | XSS-8016*               | XFP-8016*               | XFV-8016*                |
| 4"     | XSS-4014*               | XFP-4014*               | XFV-4014*                |
| 3"     | XSS-4013*               | XFP-4013*               | XFV-4013*                |

### Blind End Plate

This plate forms a closure for any tray that dead ends.

- ◆ Furnished as on plate
- ◆ W = tray width
- ◆ \* = hardware suffix needed to complete part number

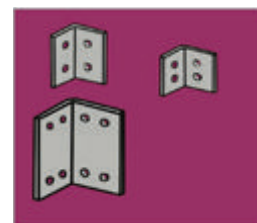
| Height | Catalog No. (Polyester) | Catalog No. (Vinylester) |
|--------|-------------------------|--------------------------|
| 6"     | XBEP-1086-W*            | XBEV-1086-W*             |
| 4"     | XBEP-1084-W*            | XBEV-1084-W*             |
| 3"     | XBEP-1083-W*            | XBEV-1083-W*             |



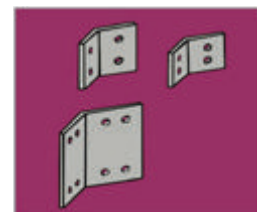
## Horizontal Splice Plates

**90°**

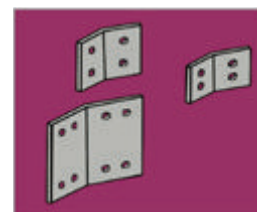
| Height | Catalog No. (Stainless) | Catalog No. (Polyester) | Catalog No. (Vinylester) |
|--------|-------------------------|-------------------------|--------------------------|
| 6"     | XSS-8906H*              | XFP-8906H*              | XFV-8906H*               |
| 4"     | XSS-4904H*              | XFP-4904H*              | XFV-4904H*               |
| 3"     | XSS-4903H*              | XFP-4903H*              | XFV-4903H*               |


**45°**

| Height | Catalog No. (Stainless) | Catalog No. (Polyester) | Catalog No. (Vinylester) |
|--------|-------------------------|-------------------------|--------------------------|
| 6"     | XSS-8456H*              | XFP-8456H*              | XFV-8456H*               |
| 4"     | XSS-4454H*              | XFP-4454H*              | XFV-4454H*               |
| 3"     | XSS-4453H*              | XFP-4453H*              | XFV-4453H*               |


**30°**

| Height | Catalog No. (Stainless) | Catalog No. (Polyester) | Catalog No. (Vinylester) |
|--------|-------------------------|-------------------------|--------------------------|
| 6"     | XSS-8306H*              | XFP-8306H*              | XFV-8306H*               |
| 4"     | XSS-4304H*              | XFP-4304H*              | XFV-4304H*               |
| 3"     | XSS-4303H*              | XFP-4303H*              | XFV-4303H*               |



## Accessories

### Step Down Plates



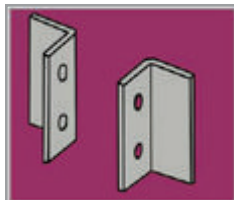
These splice plates provide for changes in side tail heights.

- ◆ Furnished in pairs

\* Hardware suffix needed to complete part number

| Height   | Catalog No. (Stainless) | Catalog No. (Polyester) | Catalog No. (Vinylester) |
|----------|-------------------------|-------------------------|--------------------------|
| 6" to 3" | XSS-8063*               | XFP-8063*               | XFV-8063*                |
| 6" to 4" | XSS-8064*               | XFP-8064*               | XFV-8064*                |
| 4" to 3" | XSS-4043*               | XFP-4043*               | XFV-4043*                |

### Tray to Box Splice Plates



These plates are used to attach the end of a tray run to a distribution box or control center.

- ◆ Furnished in pairs
- ◆ Not available in stainless steel

\* Hardware suffix needed to complete part number

| Height | Catalog No. (Polyester) | Catalog No. (Vinylester) |
|--------|-------------------------|--------------------------|
| 6"     | XFP-8056*               | XFV-8056*                |
| 4"     | XFP-4054*               | XFV-4054*                |
| 3"     | XFP-4053*               | XFV-4053*                |

### Adjustable Splice Plates

These plates provide for changes in elevation and horizontal direction that do not conform to standard fittings. (Sold in pairs)

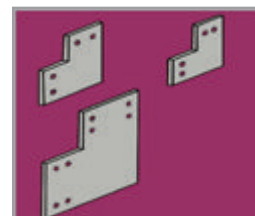
| Material        | Height | Catalog No. Vertical | Catalog No. Horizontal |
|-----------------|--------|----------------------|------------------------|
| Stainless Steel | 6"     | XSS-8026*            | XSS-8036*              |
| Stainless Steel | 4"     | XSS-4024*            | XSS-4034*              |
| Stainless Steel | 3"     | XSS-4023*            | XSS-4033*              |

\*Hardware suffix needed to complete part number

## Vertical Splice Plates

**90°**

| Height | Catalog No. (Stainless) | Catalog No. (Polyester) | Catalog No. (Vinylester) |
|--------|-------------------------|-------------------------|--------------------------|
| 6"     | XSS-8906V*              | XFP-8906V*              | XFV-8906V*               |
| 4"     | XSS-4904V*              | XFP-4904V*              | XFV-4904V*               |
| 3"     | XSS-4903V*              | XFP-4903V*              | XFV-4903V*               |


**45°**

| Height | Catalog No. (Stainless) | Catalog No. (Polyester) | Catalog No. (Vinylester) |
|--------|-------------------------|-------------------------|--------------------------|
| 6"     | XSS-8456V*              | XFP-8456V*              | XFV-8456V*               |
| 4"     | XSS-4454V*              | XFP-4454V*              | XFV-4454V*               |
| 3"     | XSS-4453V*              | XFP-4453V*              | XFV-4453V*               |


**30°**

| Height | Catalog No. (Stainless) | Catalog No. (Polyester) | Catalog No. (Vinylester) |
|--------|-------------------------|-------------------------|--------------------------|
| 6"     | XSS-8306V*              | XFP-8306V*              | XFV-8306V*               |
| 4"     | XSS-4304V*              | XFP-4304V*              | XFV-4304V*               |
| 3"     | XSS-4303V*              | XFP-4303V*              | XFV-4303V*               |



16-FIBERGLASS

NOTE: Hardware suffix is needed to complete the part number.

All splice plate hardware is 3/8"

#### Hardware suffixes:

SS6 = 316SS

SB = Silicon Bronze

MO = Monel

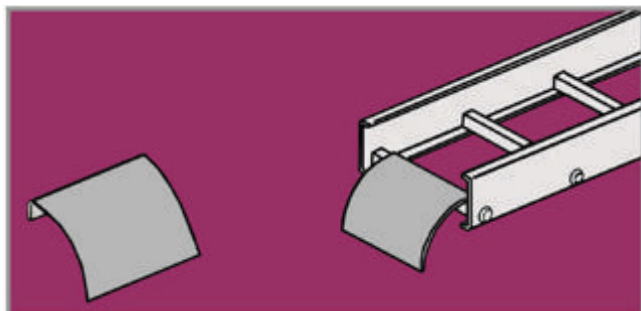
FR = Husky Fiberglass

**Ladder Drop Out**

Specially designed Ladder Drop-Outs provide a rounded surface with adequate radius to protect cable as it exits from the tray, preventing damage to insulation. (4" radius)

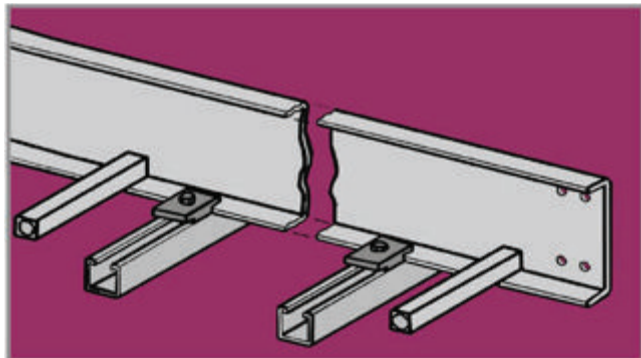
**Catalog #XDOP-1104-W**

(W = width)

**Clamp/Guide—Husky Fiberglass**

Designed for use with 3/8" hardware (not included). Combination hold down clamp and guide. This item is sold in pairs.

**Catalog #XFP-1208 (non-metallic)**

**Flexible Horizontal and Straight Barrier Kit**

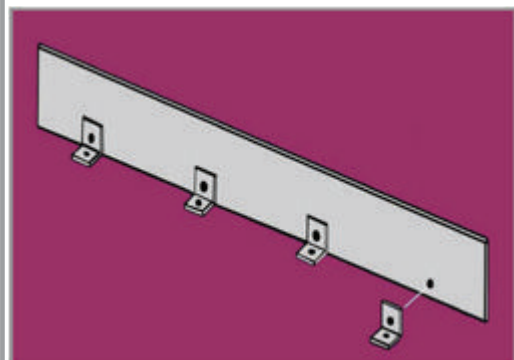
One flexible kit allows up to 38" radius position of the barrier. For larger than 38" radius, two kits are required.

| Side Rail Height | Loading Depth 'H' | Flexible Barrier Kit Number | Straight Barrier Number |
|------------------|-------------------|-----------------------------|-------------------------|
| 6"               | 4-11/16"          | BS06P-90HBFL                | BSO6P-120               |
| 4"               | 2-11/16"          | BS04P-90HBFL                | BSO4P-120               |
| 3"               | 1-3/4"            | BS03P-90HBFL                | BSO3P-120               |

**For Vinylester—replace "P" with V".**

Kit Contents—1pc. Of 72" straight barrier, 4 barrier strip clips, 8 thermo plastic drive rivets, 4 stainless steel self drilling screws.

Assembly required—directions are included.

**Vertical Barriers**

Sample Catalog #BS06P-90VO-24

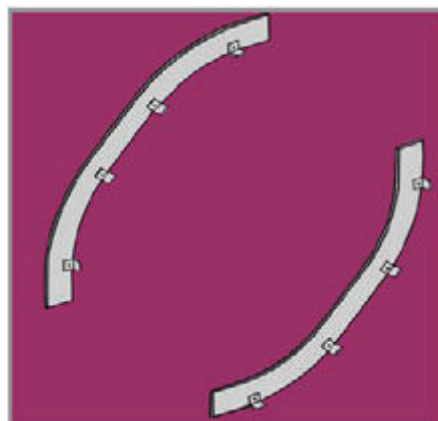
BS06 = Barrier Size

P = Polyester Material (use V for Vinylester)

90 = Angle

VO = Vertical Inside or Vertical Outside

24 = Radius



## Resin Seal Kit and Spray Sealant

Brush-On Resin Seal Kit is used to reseal Husky Fiberglass after field modifications.

Catalog #8-2-SEAL (1 pint)

Catalog #8-2-Seal-QT (1 quart)

Contents: Resin, Catalyst, Stir Stick, and Applicator. All kits are Vinylester Resin.

Spray Sealant is also used to reseal Husky Fiberglass after field modifications.

Catalog #Clear-1215

12 fl. oz. spray acrylic



## Drive Rivet

Shipped in packages of 25 pcs.

**Catalog #TPDR (Thermo Plastic)**

**Catalog #S34PR (Stainless)**



## Cover

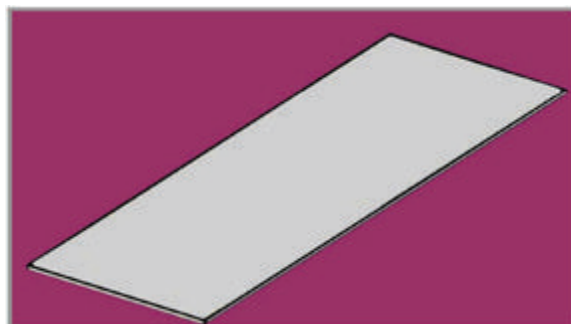
1/8" Thick, 120" Long

10 ea. #10 stainless, self-drilling screws are provided with each section.

| Catalog #   | Description       |
|-------------|-------------------|
| FC-P-W*-120 | Flat Polyester    |
| FC-V-W*-120 | Flat Vinylester   |
| PC-P-W*-120 | Peaked Polyester  |
| PC-V-W*-120 | Peaked Vinylester |

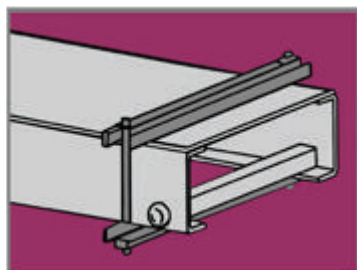
Peaked covers are for straight sections only.

W\* = insert width of tray.



## Cover Clamps

### Heavy Duty Cover Clamp



| Catalog #     | Side Rail Height |
|---------------|------------------|
| XWC-P-W*-9064 | 6"               |
| XWC-P-W*-9044 | 4"               |
| XWC-P-W*-9034 | 3"               |

**For Vinylester, replace "P" with "V" in the catalog number on Cover and Cover Clamps.**

**W\* = tray width**





**Loading Information—Beam Loads:** The charts below list the total allowable uniform load for various simple spans based on a minimum safety factor of 2. If the load is concentrated at the center span, multiply the load from the below charts by 0.5 and the corresponding deflection by 0.8. Note: All beams should be supported in a manner to prevent rotation at supports. Long, deep beams should be tied between supports to prevent twist.

### Beam Loading Data for Glass Reinforced Polyester Resin

|              |             | Maximum Allow. Load |       | Defl. @ Maximum Allow. Beam Load |       | Allowable Load @ Deflection |       |            |       |
|--------------|-------------|---------------------|-------|----------------------------------|-------|-----------------------------|-------|------------|-------|
|              |             |                     |       |                                  |       | 1/240 Span                  |       | 1/360 Span |       |
| Beam Span    | Part Number | lbs.                | N     | in.                              | mm    | lbs.                        | N     | lbs.       | N     |
| 12"<br>(305) | SSP-100     | 793                 | 3527  | 0.106                            | 2.69  | 373                         | 1659  | 249        | 1107  |
|              | SSP-100-D   | 2301                | 10235 | 0.060                            | 1.52  | 1928                        | 8576  | 1285       | 5715  |
|              | SSP-158     | 1783                | 7931  | 0.067                            | 1.70  | 1327                        | 5902  | 885        | 3936  |
|              | SSP-158-D   | 5172                | 23005 | 0.037                            | .94   | 5172                        | 23005 | 4696       | 20888 |
| 24"<br>(609) | SSPP-100    | 397                 | 1766  | 0.425                            | 10.79 | 93                          | 413   | 62         | 276   |
|              | SSPP-100-D  | 1150                | 5115  | 0.239                            | 6.07  | 482                         | 2144  | 321        | 1428  |
|              | SSPP-158    | 891                 | 3963  | 0.269                            | 6.83  | 332                         | 1477  | 221        | 983   |
|              | SSPP-158-D  | 2586                | 11502 | 0.147                            | 3.73  | 1761                        | 7833  | 1174       | 5222  |
| 36"<br>(914) | SSP-100     | 264                 | 1174  | 0.957                            | 24.31 | 41                          | 182   | 28         | 124   |
|              | SSP-100-D   | 767                 | 3411  | 0.537                            | 13.64 | 214                         | 952   | 143        | 636   |
|              | SSP-158     | 594                 | 2642  | 0.604                            | 15.34 | 147                         | 654   | 98         | 436   |
|              | SSP-158-D   | 1724                | 7668  | 0.330                            | 8.38  | 783                         | 3483  | 522        | 2322  |

### Beam Loading Data for Glass Reinforced Vinylester Resin

|              |             | Maximum Allow. Load |       | Defl. @ Maximum Allow. Beam Load |       | Allowable Load @ Deflection |       |            |       |
|--------------|-------------|---------------------|-------|----------------------------------|-------|-----------------------------|-------|------------|-------|
|              |             |                     |       |                                  |       | 1/240 Span                  |       | 1/360 Span |       |
| Beam Span    | Part Number | lbs.                | N     | in.                              | mm    | lbs.                        | N     | lbs.       | N     |
| 12"<br>(304) | SSV-100     | 988                 | 4394  | 0.112                            | 2.84  | 441                         | 1961  | 294        | 1308  |
|              | SSV-100-D   | 2866                | 12748 | 0.063                            | 1.60  | 2279                        | 10137 | 1519       | 6756  |
|              | SSV-158     | 2221                | 9879  | 0.071                            | 1.80  | 1569                        | 6979  | 1046       | 4652  |
|              | SSV-158-D   | 6443                | 28658 | 0.039                            | .99   | 6443                        | 28658 | 5550       | 24686 |
| 24"<br>(609) | SSV-100     | 494                 | 2197  | 0.448                            | 11.38 | 110                         | 489   | 73         | 325   |
|              | SSV-100-D   | 1433                | 6374  | 0.252                            | 6.40  | 570                         | 2535  | 380        | 1690  |
|              | SSV-158     | 1110                | 4937  | 0.283                            | 7.19  | 392                         | 1743  | 261        | 1161  |
|              | SSV-158-D   | 3221                | 14327 | 0.155                            | 3.94  | 2081                        | 9256  | 1387       | 6169  |
| 36"<br>(914) | SSV-100     | 329                 | 1463  | 1.009                            | 25.63 | 49                          | 218   | 33         | 147   |
|              | SSV-100-D   | 955                 | 4248  | 0.566                            | 14.37 | 253                         | 1125  | 169        | 752   |
|              | SSV-158     | 740                 | 3291  | 0.637                            | 16.18 | 174                         | 774   | 116        | 516   |
|              | SSV-158-D   | 2148                | 9554  | 0.348                            | 8.84  | 925                         | 4114  | 617        | 2744  |

#### Recommended Guideline:

Published design loads are based on usage @ 70°F(21°C) and must be reduced for continuous exposure to higher temperatures. Refer to the chart at right for high temperature applications.

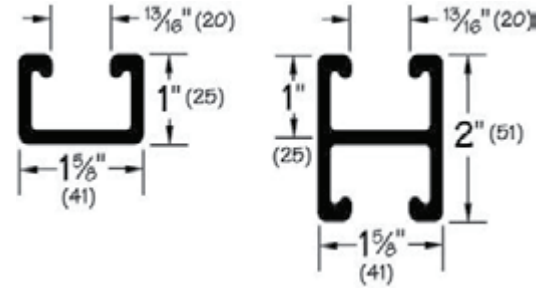




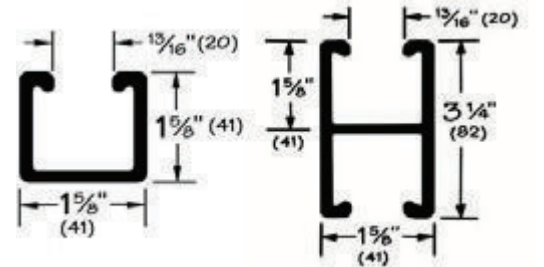
### Channels, Combinations and Hole Patterns

**"-D" suffix identifies "back-to-back" or "double" channel**

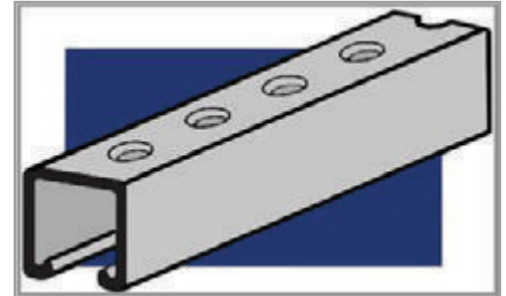
| Part #    | Material/Resin | Description | Color | Wt lbs./ft. | Wt kg/ft. |
|-----------|----------------|-------------|-------|-------------|-----------|
| SSP-100   | Polyester      | Solid Back  | Gray  | .47         | .70       |
| SSV-100   | Vinylester     | Solid Back  | Beige | .47         | .70       |
| SSP-100-D | Polyester      | Solid Back  | Gray  | .86         | 1.28      |
| SSV-100-D | Vinylester     | Solid Back  | Beige | .86         | 1.28      |



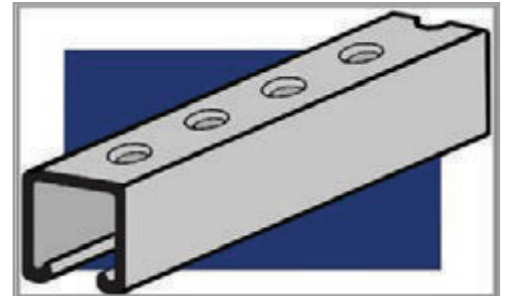
| Part #    | Material/Resin | Description | Color | Wt lbs./ft. | Wt kg/ft. |
|-----------|----------------|-------------|-------|-------------|-----------|
| SSP-158   | Polyester      | Solid Back  | Gray  | .63         | .94       |
| SSV-158   | Vinylester     | Solid Back  | Beige | .63         | .94       |
| SSP-158-D | Polyester      | Solid Back  | Gray  | 1.17        | 1.75      |
| SSV-158-D | Vinylester     | Solid Back  | Beige | 1.17        | 1.75      |



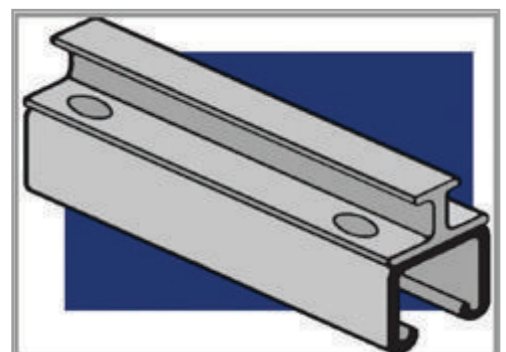
| Part #    | Material/Resin | Description   | Color | Wt lbs./ft. | Wt kg/ft. |
|-----------|----------------|---------------|-------|-------------|-----------|
| SSP-100-H | Polyester      | Holes in Back | Gray  | .45         | .67       |
| SSV-100-H | Vinylester     | Holes in Back | Beige | .45         | .67       |
| SSP-158-H | Polyester      | Holes in Back | Gray  | .61         | .91       |
| SSV-158-H | Vinylester     | Holes in Back | Beige | .61         | .91       |



| Part #    | Material/Resin | Description   | Color | Wt lbs./ft. | Wt kg/ft. |
|-----------|----------------|---------------|-------|-------------|-----------|
| SSP-100-S | Polyester      | Slots in Back | Gray  | .46         | .69       |
| SSV-100-S | Vinylester     | Slots in Back | Beige | .46         | .69       |
| SSP-158-S | Polyester      | Slots in Back | Gray  | .62         | .93       |
| SSV-158-S | Vinylester     | Slots in Back | Beige | .62         | .93       |



| Part #    | Material/Resin | Description  | Color | Wt lbs./ft. | Wt kg/ft. |
|-----------|----------------|--------------|-------|-------------|-----------|
| SSP-158-I | Polyester      | Conc. Insert | Gray  | 1.04        | 1.55      |
| SSV-158-I | Vinylester     | Conc. Insert | Beige | 1.04        | 1.55      |



**Available in 2 sizes:**

-120 = 10' lengths

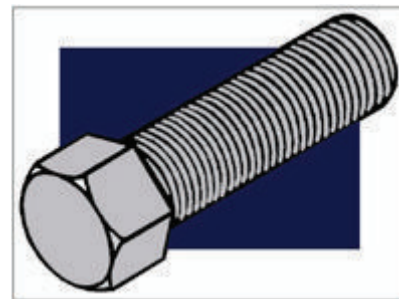
-240 = 20' lengths

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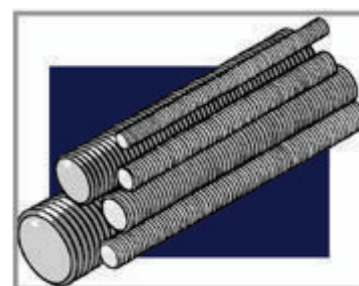
## Hex Head Bolt

| Part #            | Thread Size | Design lbs. | Load N | Max in-lbs | Torque N-m | Weight / lbs. | C g  |
|-------------------|-------------|-------------|--------|------------|------------|---------------|------|
| F516100 5/16x1    | 5/16"-18    | 190         | 845    | 30         | 3.4        | .4            | 181  |
| F516114 5/16x-1/4 | 5/16"-18    | 190         | 845    | 30         | 3.4        | .4            | 181  |
| F38100 3/8x1      | 3/8"-16     | 300         | 1334   | 45         | 5.1        | .9            | 408  |
| F38114 3/8x1-1/4  | 3/8"-16     | 300         | 1334   | 45         | 5.1        | 1.1           | 499  |
| F38212 3/8x2-1/2  | 3/8"-16     | 300         | 1334   | 45         | 5.1        | 1.5           | 680  |
| F12100 1/2x1      | 1/2"-13     | 490         | 2180   | 110        | 12.4       | 1.4           | 635  |
| F12114 1/2x1-1/4  | 1/2"-13     | 490         | 2180   | 110        | 12.4       | 1.8           | 816  |
| F12212 1/2x2-1/2  | 1/2"-13     | 490         | 2180   | 110        | 12.4       | 3.7           | 1678 |



## All-Thread Rod

| Part # | Thread Size | Design lbs. | Load N | Max in-lbs | Torque N-m | Weight / lbs. | C g |
|--------|-------------|-------------|--------|------------|------------|---------------|-----|
| F38AT  | 3/8"-16     | 425         | 1890   | 45         | 5.1        | .08           | 36  |
| F12AT  | 1/2"-13     | 750         | 3336   | 110        | 12.4       | .13           | 59  |
| F58AT  | 5/8"-11     | 950         | 4226   | 230        | 26.0       | .21           | 95  |



Available in 4' lengths

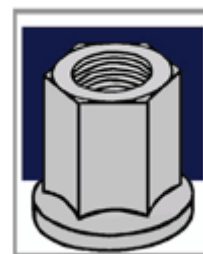
## Hex Nut

| Part # | Thread Size | H in. | mm | Weight / lbs. | C g |
|--------|-------------|-------|----|---------------|-----|
| F38HN  | 3/8"-16     | 21/64 | 8  | .3            | 136 |
| F12HN  | 1/2"-13     | 7/16  | 11 | .7            | 318 |
| F58HN  | 5/8"-11     | 35/64 | 14 | 1.4           | 635 |



## All-Thread Rod Hex Nut

| Part #  | Thread Size | H in. | mm | Weight / lbs. | C g |
|---------|-------------|-------|----|---------------|-----|
| F38ATHN | 3/8"-16     | 3/4   | 19 | .8            | 376 |
| F12ATHN | 1/2"-13     | 7/8   | 22 | 1.7           | 771 |



## Rod Coupler

| Part # | Thread Size | Weight / lbs. | C g  |
|--------|-------------|---------------|------|
| FRC38  | 3/8"-16     | 7.4           | 3357 |
| FRC12  | 1/2"-13     | 11.3          | 5118 |
| FRC58  | 5/8"-11     | 16.7          | 7575 |

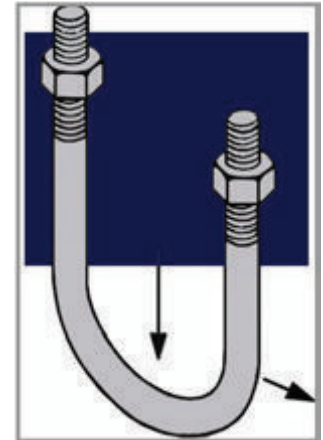


Other sizes are available, please consult factory for details.



### U-Bolt

| Part # | Nominal in. | Pipe Size mm | Design lbs. | Load A in. | Design lbs. | Load B in. | Max in-lbs. | Torque N-m | Wt/ lbs. | c g  |
|--------|-------------|--------------|-------------|------------|-------------|------------|-------------|------------|----------|------|
| FUB050 | 1/2         | 15           | 300         | 1334       | 150         | 667        | 30          | 3.4        | 3.5      | 1588 |
| FUB075 | 3/4         | 20           | 300         | 1334       | 150         | 667        | 30          | 3.4        | 3.9      | 1769 |
| FUB100 | 1           | 25           | 300         | 1334       | 150         | 667        | 30          | 3.4        | 4.4      | 1996 |
| FUB114 | 1-1/4       | 32           | 300         | 1334       | 150         | 667        | 30          | 3.4        | 4.8      | 2177 |
| FUB112 | 1-1/2       | 40           | 300         | 1334       | 150         | 667        | 30          | 3.4        | 5.2      | 2359 |
| FUB200 | 2           | 50           | 600         | 2669       | 200         | 890        | 60          | 6.8        | 7.7      | 3493 |
| FUB212 | 2-1/2       | 65           | 600         | 2669       | 200         | 890        | 60          | 6.8        | 10.2     | 4627 |
| FUB300 | 3           | 80           | 600         | 2669       | 200         | 890        | 60          | 6.8        | 12.6     | 5715 |
| FUB312 | 3-1/2       | 90           | 600         | 2669       | 200         | 890        | 60          | 6.8        | 15.1     | 6849 |
| FUB400 | 4           | 100          | 600         | 2669       | 200         | 890        | 60          | 6.8        | 17.6     | 7983 |



### Channel Nuts & Washers

| Part # w/Spring | Part # w/out Spring | Thread | Pull-lbs. | Out N | Slip lbs. | Resist. N | Max. in-lbs | Torque N-m | Wt/ lbs. | C g  |
|-----------------|---------------------|--------|-----------|-------|-----------|-----------|-------------|------------|----------|------|
| FCN38           | FCN38WO             | 3/8-16 | 300       | 1334  | 150       | 667       | 200         | 22.6       | 2.3      | 1043 |
| FCN12           | FCN12WO             | 1/2-13 | 300       | 1334  | 150       | 667       | 200         | 22.6       | 2.3      | 1043 |



### Flat Washer

| Part # | Hole Size | Weight lbs. | C g |
|--------|-----------|-------------|-----|
| F38W   | 3/8"      | .5          | 227 |
| F12W   | 1/2"      | .5          | 227 |
| F58W   | 5/8"      | .5          | 227 |
| F34W   | 3/4"      | .5          | 227 |
| F100W  | 1"        | .5          | 227 |



### Resin Seal Kit and Spray Sealant

Brush-On Resin Seal Kit is used to reseal Husky Fiberglass after field modifications.

Catalog #8-2-SEAL (1 pint)

Catalog #8-2-Seal-QT (1 quart)

Contents: Resin, Catalyst, Stir Stick, and Applicator. All kits are Vinylester Resin.

Spray Sealant is also used to reseal Husky Fiberglass after field modifications.

**Catalog #Clear-1215**

12 fl. oz. spray acrylic

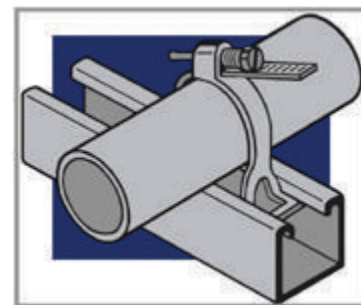


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## Adjustable Pipe Clamp

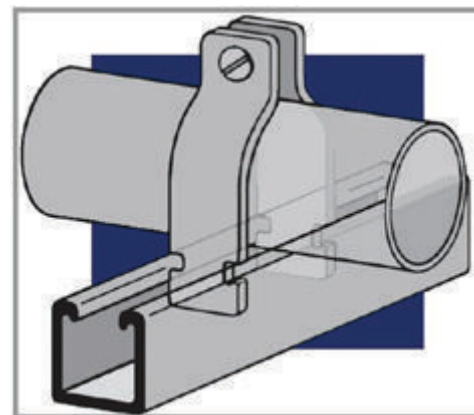
| Part #  | Nominal in.    | Pipe Size mm | Pipe lbs. | O.D. Range mm | Design lbs. | Load N | Max. in-lbs | Torque N-m |
|---------|----------------|--------------|-----------|---------------|-------------|--------|-------------|------------|
| SAPC050 | 1/2 to 3/4     | 15,20        | 75-1.05   | 19-28         | 75          | .33    | 15          | 1.69       |
| SAPC100 | 1-1 to 1/2     | 25,40        | 1.05-1.90 | 29-48         | 150         | .67    | 22          | 2.48       |
| SAPC112 | 1-1/2 to 2-1/2 | 40,65        | 1.90-2.87 | 48-73         | 150         | .67    | 22          | 2.48       |
| SAPC212 | 2-1/2 to 3-1/2 | 65,90        | 2.87-4.0  | 73-101        | 150         | .67    | 22          | 2.48       |



Safety factor of 3 on Design Load. Not recommended for vertical installation without additional supports.

## Rigid Pipe Clamp

| Part #  | Nominal in. | Pipe Size mm | Design lbs. | Load N | Max. in-lbs | Torque N-m |
|---------|-------------|--------------|-------------|--------|-------------|------------|
| SRPC050 | 1/2         | 15           | 300         | 1.33   | 10          | 1.13       |
| SRPC075 | 3/4         | 20           | 300         | 1.33   | 10          | 1.13       |
| SRPC100 | 1           | 25           | 300         | 1.33   | 10          | 1.13       |
| SRPC114 | 1-1/4       | 32           | 300         | 1.33   | 10          | 1.13       |
| SRPC112 | 1-1/2       | 40           | 300         | 1.33   | 10          | 1.13       |
| SRPC200 | 2           | 50           | 300         | 1.33   | 10          | 1.13       |
| SRPC212 | 2-1/2       | 65           | 300         | 1.33   | 10          | 1.13       |
| SRPC300 | 3           | 80           | 300         | 1.33   | 10          | 1.13       |
| SRPC312 | 3-1/2       | 90           | 300         | 1.33   | 10          | 1.13       |
| SRPC400 | 4           | 100          | 300         | 1.33   | 10          | 1.13       |



Safety factor of 3 on Design Load. Not recommended for vertical installation without additional supports.

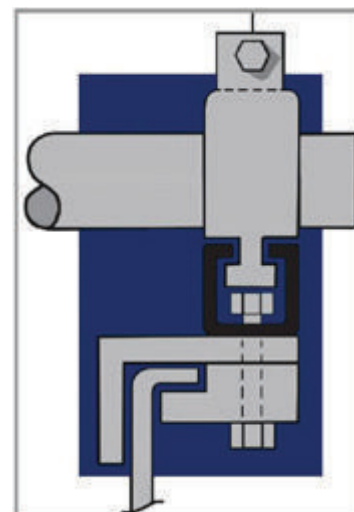
## Conduit Swivel Clamp

Cable Tray Designation (CTD) Required.

Example: 6CP, 4P

Pipe clamps are a separate order item.

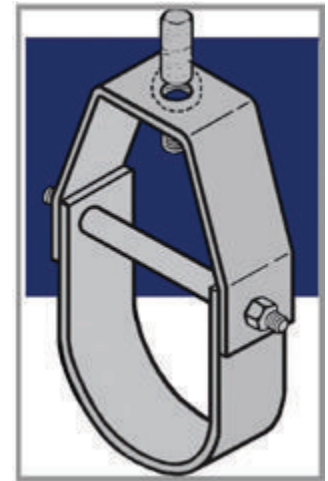
## Catalog #SCSC-(CTD)



### Clevis Hangers

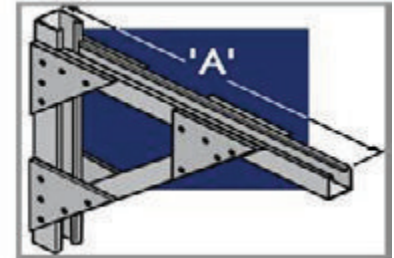
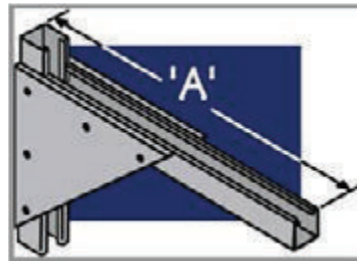
| Part #  | Nominal in. | Pipe Size mm | Max. Pipe lbs. | O.D. Range mm | Design lbs. | Load N | Hanger Rod Size |
|---------|-------------|--------------|----------------|---------------|-------------|--------|-----------------|
| SCH200  | 2           | 50           | 2-1/2          | 63            | 90          | .40    | 1/2"-13         |
| SCH212  | 2-1/2       | 65           | 3-1/4          | 82            | 120         | .54    | 1/2"-13         |
| SCH300  | 3           | 80           | 3-7/8          | 98            | 160         | .71    | 1/2"-13         |
| SCH400  | 4           | 100          | 5              | 127           | 250         | 1.12   | 5/8"-11         |
| SCH600  | 6           | 150          | 7              | 177           | 400         | 1.79   | 5/8"-11         |
| SCH800  | 8           | 200          | 9              | 228           | 450         | 2.01   | 5/8"-11         |
| SCH1000 | 10          | 250          | 11-3/8         | 289           | 500         | 2.24   | 5/8"-11         |
| SCH1200 | 12          | 300          | 13-1/2         | 342           | 600         | 2.69   | 5/8"-11         |

Safety Factor of 3 on Design Loads @120°F (49°C). Insulation may be required at high temperatures. Note: Order hanger rods and nuts separately.



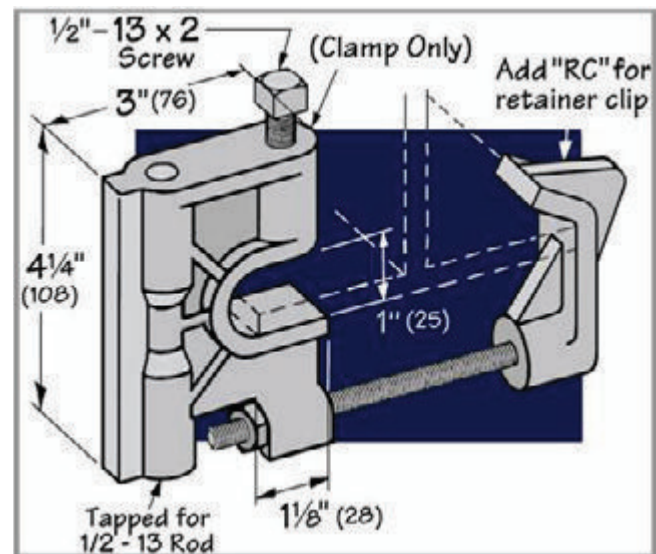
### Support Brackets

| Part #  | Dimension in. | A mm | Design lbs. | Load N |
|---------|---------------|------|-------------|--------|
| SB1-06P | 10            | 250  | 1400        | 6.22   |
| SB1-09P | 13            | 330  | 1000        | 4.45   |
| SB1-12P | 16            | 406  | 800         | 3.56   |
| SB1-18P | 22            | 559  | 675         | 3.00   |
| SB1-24P | 28            | 711  | 450         | 2.00   |
| SB2-30P | 34            | 863  | 750         | 3.33   |
| SB2-36P | 40            | 1016 | 750         | 3.33   |
| SB2-24P | 28            | 711  | 750         | 3.33   |



### Beam Clamp

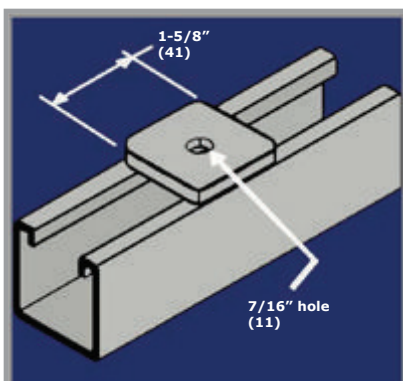
| Part # | Description       | Design lbs. | Load N |
|--------|-------------------|-------------|--------|
| SBC    | Beam Clamp        | 800         | 3.56   |
| SBC-RC | Beam Clamp w/clip | 800         | 3.56   |



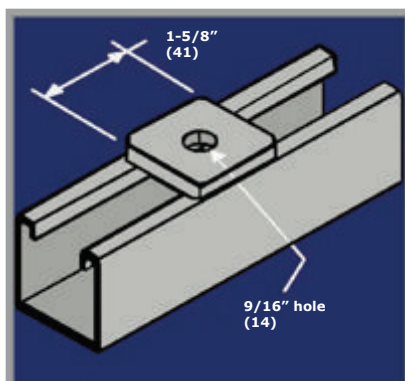




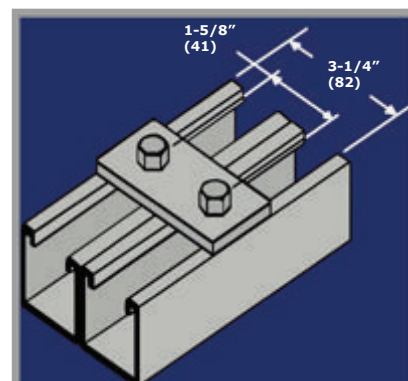
## Fittings

**Catalog #SFP-1S7**

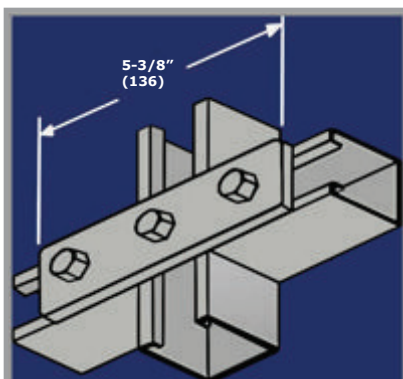
FRP Polyester (1) 7/16" hole strut fitting.

**Catalog #SFP-1S9**

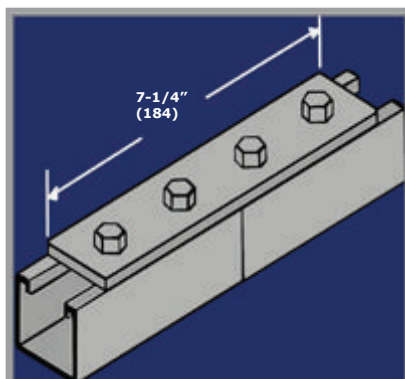
FRP Polyester (1) 9/16" hole strut fitting.

**Catalog #SFP-2S**

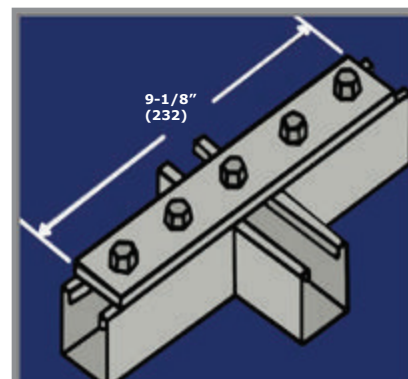
FRP Polyester (2) hole straight strut fitting.

**Catalog #SFP-3S**

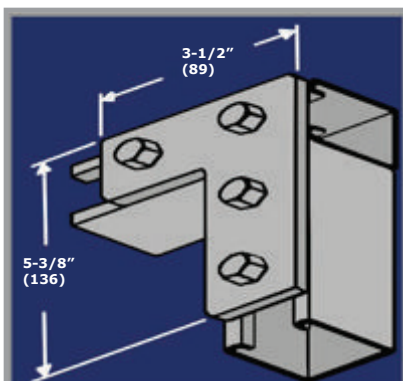
FRP Polyester (3) hole straight strut fitting.

**Catalog #SFP-4S**

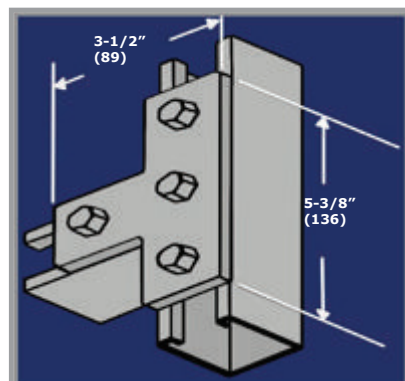
FRP Polyester (4) hole straight strut fitting.

**Catalog #SFP-5S**

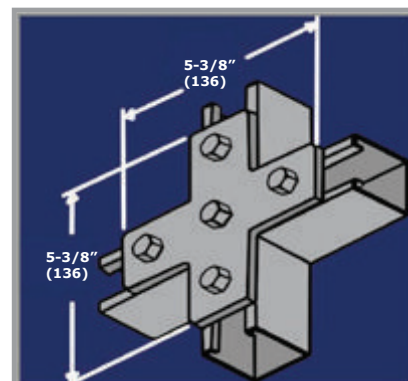
FRP Polyester (5) hole straight strut fitting.

**Catalog #SFP-4HL**

FRP Polyester (4) hole horizontal 90 degree strut fitting.

**Catalog #SFP-4HT**

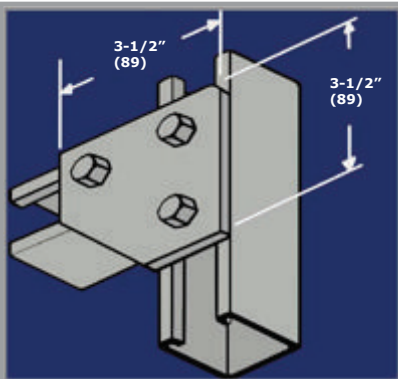
FRP Polyester (4) hole horizontal tee strut fitting.

**Catalog #SFP-5HX**

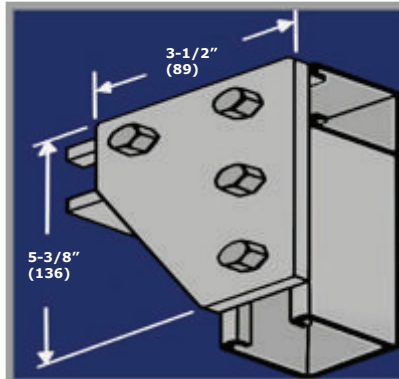
FRP Polyester (5) hole horizontal cross strut fitting.



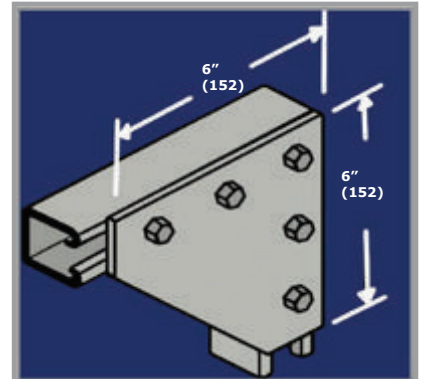
### Fittings



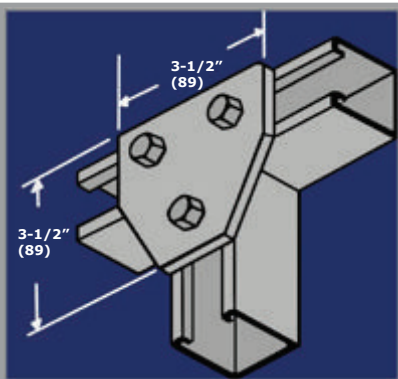
**Catalog #SFP-3HCG**  
FRP Polyester (3) hole horizontal corner gusset strut fitting.



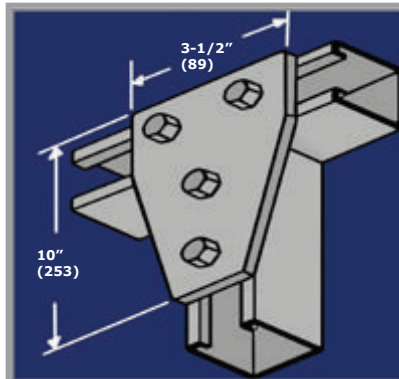
**Catalog #SFP-4HCG**  
FRP Polyester (4) hole horizontal corner gusset strut fitting.



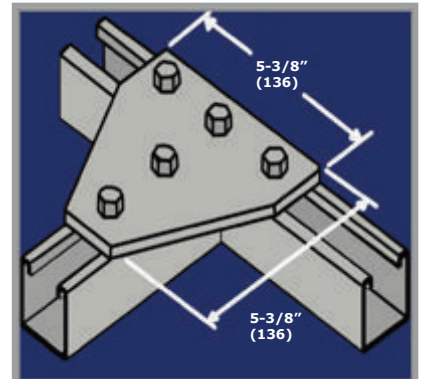
**Catalog #SFP-5HCG**  
FRP Polyester (5) hole horizontal corner gusset strut fitting.



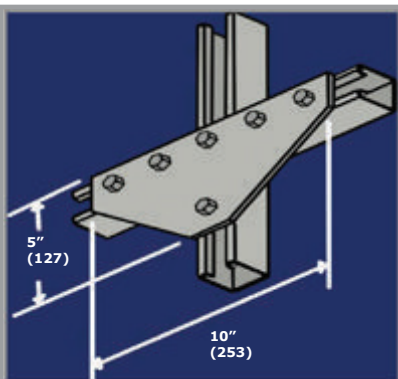
**Catalog #SFP-3HTG**  
FRP Polyester (3) hole horizontal tee gusset strut fitting.



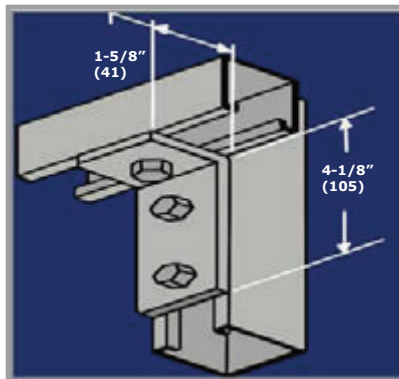
**Catalog #SFP-4HTG**  
FRP Polyester (4) hole horizontal tee gusset strut fitting.



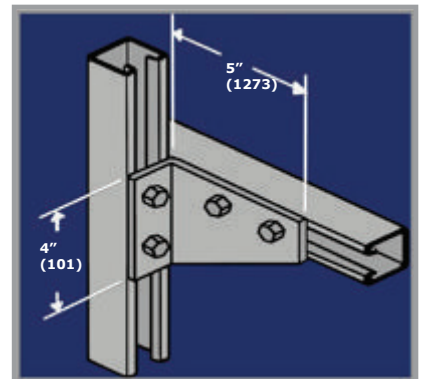
**Catalog #SFP-5HTG**  
FRP Polyester (5) hole horizontal tee gusset strut fitting.



**Catalog #SFP-6HTG**  
FRP Polyester (6) hole horizontal tee gusset strut fitting.



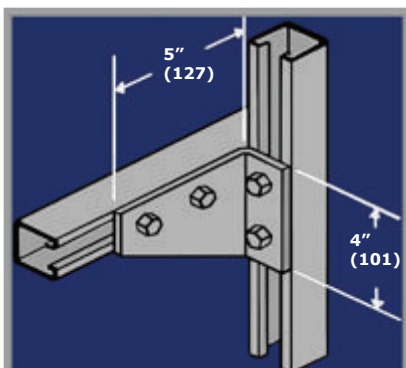
**Catalog #SFP-3VL**  
FRP Polyester (3) hole vertical 90° strut fitting.



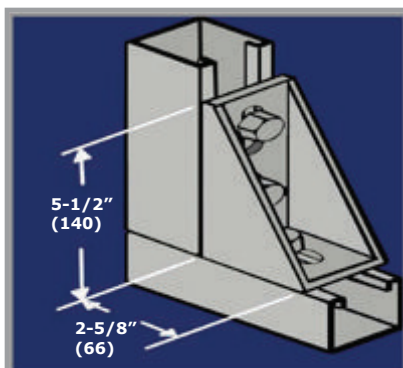
**Catalog #SFP-4VGL**  
FRP Polyester (4) hole vertical 90° gusset left strut fitting.



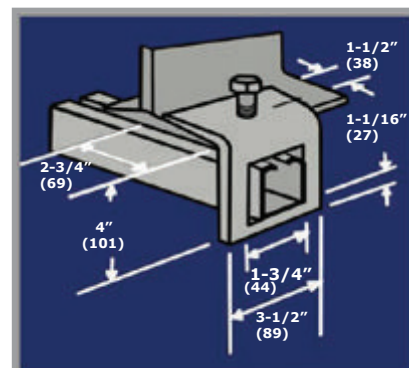
## Fittings

**Catalog #SFP-4VGR**

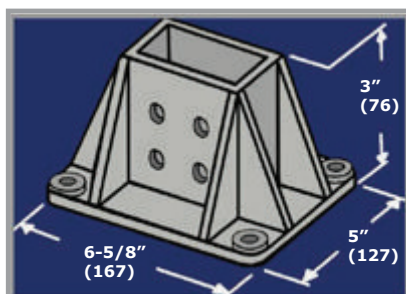
FRP Polyester (4) hole vertical 90° gusset right strut fitting.

**Catalog #SFP-3CB**

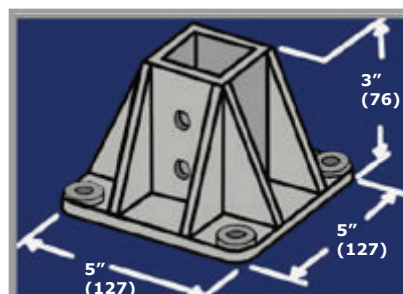
FRP Polyester (3) hole corner bracket strut fitting.

**Catalog #SWC-158**

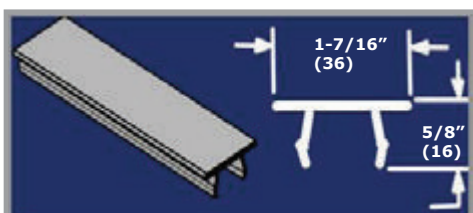
FRP Polyester 1-5/8" Window Clamp

**Catalog #SSV-DBASE**

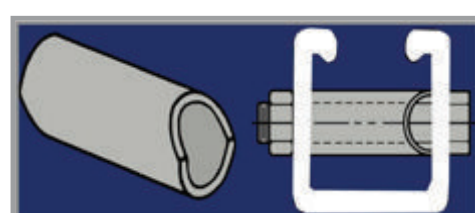
FRP Polyester Double Strut vertical support base.

**Catalog #SSV-SBASE**

FRP Polyester Single Strut vertical support base.

**Catalog #SSCS-158**

Closure Strip

**Catalog #SCSP-158**

Channel Spacer (for 3/8" rod).

Other fittings are available, please consult factory for details.