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## **T&B® Cable Tray**

Metallic cable tray



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# T&B Cable tray

## Introduction

Cable tray wiring systems offer significant advantages over conduit pipe and other wiring systems. Cable tray is more cost efficient, more reliable, more adaptable to changing needs and easier to maintain. In addition, its design does not contribute to potential safety problems associated with other wiring systems.

### **The benefits of cable tray**

An evaluation of the costs and benefits of various wiring systems should be done in the design phase. Avoiding the system selection process or deferring it until construction, often results in higher costs, scheduling delays and a system that will not meet future needs.

Selection of a wiring system that is not the most suitable for a particular application in terms of cost, potential corrosion and electrical considerations can lead to numerous problems, including excessive initial cost, poor design, faulty installation, extra maintenance, future power outages and unnecessary safety concerns.

### **Cost efficiency**

Extensive experience has shown that the overall cost of a cable tray installation (including conductor, material and installation labor costs) may be as much as 60% less than a comparable conduit wiring system.

Cable tray systems, including trays, supports, fittings and other materials, are generally much less expensive than conduit wiring systems. In addition, major cost savings are generated by the relative ease of installation. Labor costs of installing a cable tray system can run up to 50% less. Total cost savings will vary with the complexity and size of the installation.

Direct cost savings are easy to calculate during the design phase of an installation, but the enormous advantages of cable tray may accrue only over time. The system's reliability, adaptability, ease of maintenance and inherent safety features result in many other types of cost savings, including:

- Lower engineering and maintenance costs
- Less need to reconfigure system as needs change
- Less down time for electrical and data handling systems
- Fewer environmental problems resulting from loss of power to essential equipment

### **Reliability**

Cable tray systems offer unsurpassed reliability, resulting in less maintenance and down time – important considerations for all installations and especially for industries such as data communications and financial services.

In addition, since cable tray is an open system, moisture build-up problems are eliminated and damage to cable insulation during installation is also greatly reduced.



**Adaptability**

A major advantage of cable tray systems derives from their adaptability to new needs and technology. The pace of change in the economy, constantly shifting competitive pressures and rapid introduction of innovative technologies are all accelerating. More than ever before, businesses must be prepared to quickly expand facilities, change products or introduce new processes. The flexibility of the wiring system is a key consideration.

Modifying a cable tray system or adding cables to meet new needs is relatively easy because cables can enter or exit a tray at any point, and initial design considerations can build in extra capacity as part of the planning process. Cable tray's inherent adaptability allows rewiring for future expansion, building redesign or new technologies without disruption or need to replace the entire wiring system.

**Maintenance**

Cable tray wiring systems require less maintenance than conduit systems. When maintenance is necessary, it is easier, less time-consuming and less labor intensive.

The physical condition and status of both the cable tray and cables can be inspected visually, something that is not possible with conduit systems. In addition, it is also easy to see if there is sufficient capacity in the trays for additional cables. As was noted above, changing or adding cables can also be accomplished easily.

Another comparative benefit of cable tray systems is that they do not act as channels of moisture paths, as conduit wiring systems do. Conduit systems tend to collect condensation resulting from changes in temperature and then channel the moisture to electrical equipment, where it can lead to corrosion and failure.

Cable tray and tray cable are also less susceptible to fire loss than conduit. An external fire usually results in damage to only a few feet of a cable tray system, while wire insulation inside a conduit suffers significant damage and thermoplastic insulation may actually fuse to the conduit.

**Safety**

Cable wiring systems lack the inherent safety concerns of conduit systems.

By its nature, a conduit wiring system can serve as a flow-through for corrosive, explosive and toxic gases in the same way that it channels moisture.

The conduit installation process can also present a safety issue for electricians. The process requires that a conduit system be installed from one enclosure to another before pulling in the conductors, leaving the electricians exposed to any live, energized equipment that may be in the enclosures. In contrast, installers can pull tray cables from near one termination enclosure to the next before they are inserted into the enclosures and then terminated.

Finally, in installations where cable tray can be used as the equipment grounding conductor (per NEC standards), it is easy to visually check the system components as well as conduct checks for electrical continuity.

# Technical information

## Glossary of terms

### Accessories

Devices that are used to supplement the function of straight sections and fittings, and include such items as drop outs, covers, conduit adapters, hold-down devices and dividers.

### Cable tray connector

A device that joins cable tray straight sections or fittings, or both. The basic types of connectors are:

- Rigid
- Expansion
- Adjustable
- Reducer

### Cable tray fitting

A device that is used to change the direction, elevation or width of a cable tray system.

### Cable tray support

A device that provides adequate means for supporting cable tray sections or fittings, or both. The basic types of cable tray supports are:

- Cantilever bracket
- Trapeze
- Individual and suspension

### Channel cable tray

A prefabricated metal structure consisting of a one-piece ventilated bottom or solid bottom channel section, or both, not exceeding 6 inches in width.

### Ladder cable tray

A prefabricated metal structure consisting of two longitudinal side rails connected by individual transverse members.

### Solid bottom cable tray

A prefabricated metal structure consisting of a bottom with no openings within integral or separate longitudinal side rails.

### One-piece/unit cable tray

A prefabricated metal structure consisting of a one-piece solid or ventilated bottom.

### Horizontal cross

A cable tray fitting that is suitable for joining cable trays in four directions at 90° intervals in the same plane.

### Horizontal bend

A cable tray fitting that changes the direction in the same plane.

### Horizontal tee

A cable tray fitting that is suitable for joining cable trays in three directions at 90° intervals in the same plane.

### Metallic cable tray system

A metallic assembly of cable tray straight sections, fittings, and accessories that forms a rigid structural system to support cables.

### Reducer

A cable tray fitting that is suitable for joining cable trays of different widths in the same plane. A straight reducer has two symmetrical offset sides. A right-hand reducer, when viewed from the large end, has a straight side on the right. A left-hand reducer, when viewed from the large end, has a straight side on the left.

### Straight section

A length of cable tray that has no change in direction or size.

### Ventilated bottom

A cable tray bottom having openings sufficient for the passage of air and utilizing 75% or less of the plane area of the surface to support cables.

### Vertical bend

A cable tray fitting that changes direction to a different plane. An inside vertical elbow changes direction upward from the horizontal plane. An outside vertical elbow changes direction downward from the horizontal plane.

# Technical information

## Unique design features

### 01 I-beam side rail (aluminum)

Maximum structural strength.

### 02 Alternating rungs (aluminum and steel)

Alternating rungs for top and bottom accessory installation and cable lashing.

### 03 Ty-Rap® cable tie slots (aluminum and steel)

Exclusive Ty-Rap cable tie slots 1 in. center to center on all ladder ventilated and solid bottoms. Secure cables without kinks and keep cables uniform.

### 04 Extra wide rung design (aluminum and steel)

Extra wide rung design for maximum cable bearing surface.

### 05 Snap-in splice plates (aluminum)

Snap-in aluminum splice plates for easy installation.

### 06 Continuous open slot (aluminum and steel)

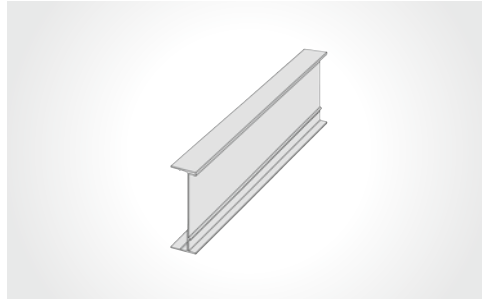
Rungs have continuous open slot to accept standard strut pipe clamps and provide complete barrier strip adjustability.

### 07 Added support (aluminum and steel)

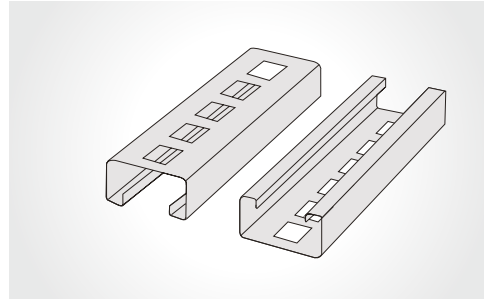
Aluminum and steel solid bottoms are constructed with a flat sheet for added cable protection.

### 08 Adjustable barrier strips (aluminum and steel)

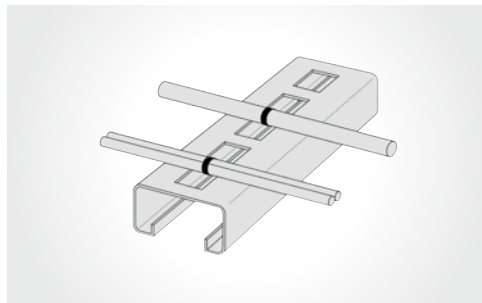
Barrier strips are fully adjustable (side to side) for use in straight sections and fittings.



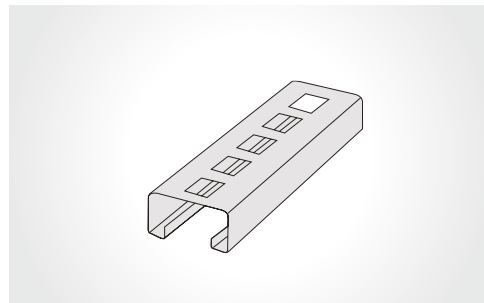
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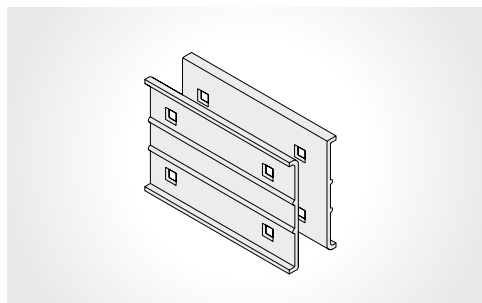
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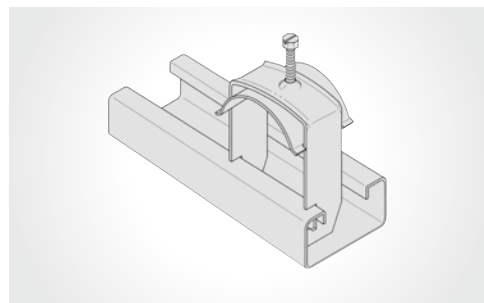
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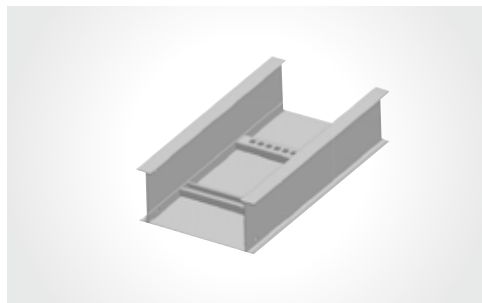
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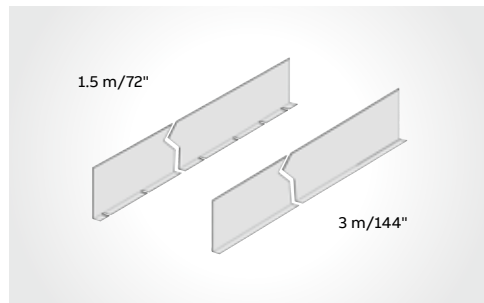
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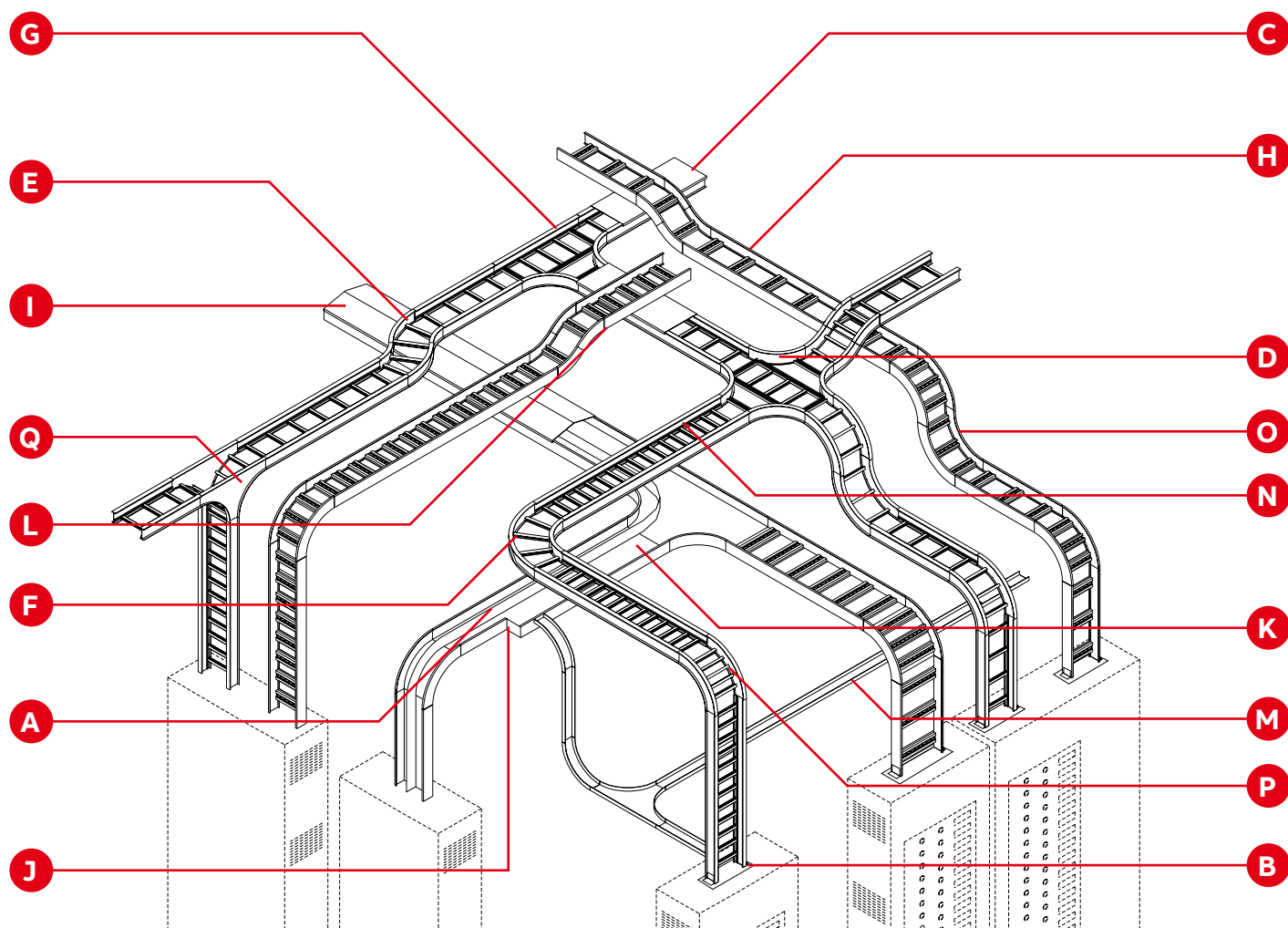
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# Technical information

## Sample plant layout



### Application

#### Commercial:

- Schools
- Hospitals
- Office buildings
- Airports
- Casinos
- Stadiums

#### Industrial:

- Petrochemical plants
- Automotive plants
- Paper plants
- Food processing
- Power plants
- Refineries
- Manufacturing
- Mining

### Legend

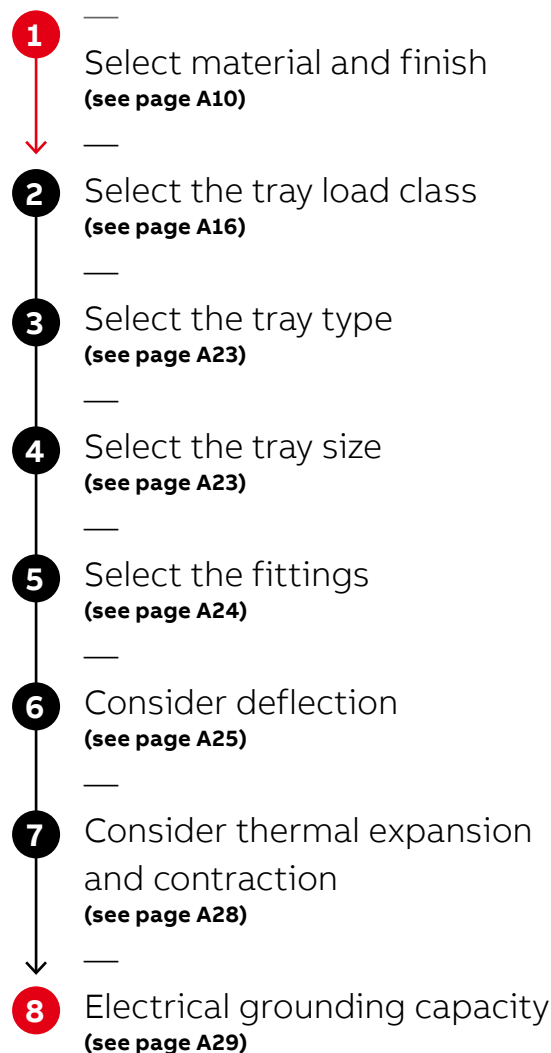
- A – Barrier strip
- B – Box connector
- C – Flat cover
- D – Horizontal cross
- E – Horizontal 45°
- F – Horizontal 90°
- G – Horizontal tee
- H – Ladder tray

- I – Peaked cover
- J – Right reducer
- K – Solid tray
- L – Splice connector
- M – Solid channel tray
- N – Ventilated tray
- O – Vertical 90° inside
- P – Vertical 90° outside
- Q – Vertical tee

# Technical information

## Selection process

A number of basic decisions must be made before a cable tray system can be specified. ABB has developed a simple eight-step process to guide you in the process:



**Each step is described in detail in the following pages. For many applications, however, you may also have to take the following into account:**

- **Weight of the installation**, which affects the cost of the support structure and the ease of installation.
- **Corrosion resistance of the material** is one of the most important selection criteria. Cable tray materials may not respond the same way in different environments. Chemicals or combinations of chemicals have a corrosive effect on some materials that can be compounded by temperature or even the speed at which the corrosive elements contact the cable tray. For example, some grades of stainless steel may be resistant to salt water at high flow rates (perfect for heat exchangers), while exhibiting some corrosion pitting in standing salt water. Only the designer can quantify the various elements that affect the corrosion resistance of the cable tray system in a specific application. While ABB can provide guidance, the designer is responsible for the final selection. For more information, see “Corrosion” section.
- **Melting point and flammability rating** are primarily concerns for nonmetallic tray. Local building codes may restrict the use of a given product if certain performance levels are not met. Check with the appropriate inspection authorities before specifying the product.
- **Relative cost** varies dramatically, including material costs that float with the commodity index. For example, stainless steel prices may vary significantly according to daily changes in the market.

# Selection process

## 1. Select material and finish

The most suitable material and finish for your application will depend on cost, the potential for corrosion and electrical considerations. ABB offers cable tray systems fabricated from corrosion-resistant steel, stainless steel and aluminum alloys along with corrosion-resistant finishes, including zinc and epoxy. Special paint is also available.

### Materials

**Most cable tray systems are fabricated from a corrosion-resistant metal (stainless steel or an aluminum alloy) or from a metal with a corrosion-resistant finish (zinc or epoxy). The choice of material for any particular installation depends on the installation environment (corrosion and electrical considerations) and cost.**

#### Aluminum

Cable trays fabricated of extruded aluminum are often used for their high strength-to-weight ratio, superior resistance to certain corrosive environments and ease of installation. They also offer the advantages of being light weight (approximately less than 50% that of a steel tray) and maintenance-free, and since aluminum cable trays are non-magnetic, electrical losses are reduced to a minimum.

ABB cable tray products are formed from the 6063 series alloys, which by design are copper-free alloys for marine applications. These alloys contain silicon and magnesium in appropriate proportions to form magnesium silicide, allowing them to be heat treated. These magnesium silicon alloys possess good formability and structural properties, as well as excellent corrosion resistance.

The unusual resistance to corrosion, including weathering, exhibited by aluminum is due to the self-healing aluminum oxide film that protects the surface. Aluminum's resistance to chemicals in the application environment should be tested before installation.

#### Steel

ABB steel cable trays are fabricated from structural quality steels using a continuous roll-formed process. Forming and extrusions increase the mechanical strength.

The main benefits of steel cable tray are its high strength and low cost.

The rate of corrosion will vary depending on many factors such as the environment, coating or protection applied and the composition of the steel. ABB offers finishes and coatings to improve the corrosion resistance of steel. These include pregalvanized, hot dip galvanized (after fabrication), epoxy and special paints.

#### Stainless steel

Stainless steel offers high yield strength and high creep strength, at high ambient temperatures.

ABB stainless steel cable tray is roll-formed from AISI Type 316/316L stainless steel.

Stainless steel is resistant to dyestuffs, organic chemicals, and inorganic chemicals at elevated temperatures. Higher levels of chromium and nickel and a reduced level of carbon serve to increase corrosion resistance and facilitate welding. Type 316 includes molybdenum to increase high temperature strength and improve corrosion resistance, especially to chloride and sulfuric acid.

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## Finishes

### Electrogalvanized coatings

The most widely used coating for cable tray is galvanizing. It is cost-effective, protects against a wide variety of environmental chemicals and is self-healing if an area becomes unprotected through cuts or scratches.

Steel is coated with zinc through electrolysis by dipping steel into a bath of zinc salts. A combination of carbonates, hydroxides and zinc oxides forms a protective film to protect the zinc itself. Resistance to corrosion is directly related to the thickness of the coating and the harshness of the environment.

### Pregalvanized

Pregalvanized, also known as mill-galvanized or hot dip mill-galvanized, is produced in a rolling mill by passing steel coils through molten zinc. These coils are then slit to size and fabricated.

Areas not normally coated during fabrication, such as cuts and welds, are protected by neighboring zinc, which works as a sacrificial anode. During welding, a small area directly affected by heat is also left bare, but the same self-healing process occurs.

G90 requires a coating of 0.90 ounces of zinc per square foot of steel, or 0.32 ounces per square foot on each side of the metal sheet. In accordance with A653/A653M-06a, pregalvanized steel is not generally recommended for outdoor use or in industrial environments.

### Hot-dipped galvanized

After the steel cable tray has been manufactured and assembled, the entire tray is immersed in a bath of molten zinc, resulting in a coating of all surfaces, as well as all edges, holes and welds.

Coating thickness is determined by the length of time each part is immersed in the bath and the speed of removal. Hot-dip galvanizing after fabrication creates a much thicker coating than the pregalvanized and electrogalvanized process, a minimum of 3.0 ounces per square foot of steel or 1.50 ounces per square foot on each side of the sheet (according to ASTM A123, grade 65).

The process is recommended for cable tray used in most outdoor environments and many harsh industrial environment applications.

### Other coatings

Epoxy and special paint coatings are available on request.

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## Corrosion

Corrosion of metal occurs naturally when the metal is exposed to chemical or electrochemical attack. The atoms on the exposed surface of the metal come into contact with a substance, leading to deterioration of the metal through a chemical or electrochemical reaction. The corroding medium can be a liquid, gas or solid.

Although all metals are susceptible to corrosion, they corrode in different ways and at various speeds. Pure aluminum, bronze, brass, most stainless steels and zinc corrode relatively slowly, but some aluminum alloys, structural grades of iron and steel and the 400 series of stainless steels corrode quickly unless protected.

### Electrochemical corrosion

Electrochemical corrosion is caused by an electrical current flow between two dissimilar metals, or if a difference of potential exists, between two areas of the same metal surface.

The energy flow occurs only in the presence of an electrolyte, a moist conductor that contains ions, which carry an electric charge. Solutions of acids, alkalies and salts contain ions, making water – especially salt water – an excellent electrolyte.

Common types of corrosion

Galvanic corrosion

Galvanic corrosion results from the electrochemical reaction that occurs in the presence of an electrolyte when two dissimilar metals are in contact. The strength of the reaction and the extent of the corrosion depend on a number of factors, including the conductivity of the electrolyte and potential difference of the metals. The metal with less resistance becomes anodic and more subject to corrosion, while the more resistant becomes cathodic.

The galvanic series table, developed through laboratory tests on industrial metal alloys in sea water (a powerful electrolyte), list metals according to their relative resistance to galvanic corrosion. Those less resistant to galvanic corrosion (anodic) are at the top, and those more resistant (cathodic) are at the bottom.

The metals grouped together are subject to only slight galvanic effect when in contact, and metals at the top will suffer galvanic corrosion when in contact with metals at the bottom (in the presence of an electrolyte). The farther apart two metals are on the table, the greater the potential corrosion.

Galvanic series table

| Anodic end                             |                                        |
|----------------------------------------|----------------------------------------|
| 1. Magnesium                           | 23. Type 410 stainless steel (passive) |
| 2. Magnesium alloys                    | 24. Type 316 stainless steel (passive) |
| 3. Zinc                                | 25. 50Pb-50Sn solder                   |
| 4. Galvanized steel                    | 26. Silver (passive)                   |
| 5. Naval brass (C46400)                | 27. Type 304 stainless steel (active)  |
| 6. Aluminum 5052H                      | 28. Type 316 stainless steel (active)  |
| 7. Aluminum 3004                       | 29. Lead                               |
| 8. Aluminum 3003                       | 30. Tin                                |
| 9. Aluminum 1100                       | 31. Muntz metal (C28000)               |
| 10. Aluminum 6053                      | 32. Manganese bronze (C67500)          |
| 11. Alclad aluminum alloys             | 33. Nickel (active)                    |
| 12. Aluminum bronze (C61400)           | 34. Inconel (active)                   |
| 13. Cadmium                            | 35. Cartridge brass (C26000)           |
| 14. Copper (C11000)                    | 36. Admiralty metal (C44300)           |
| 15. Aluminum 2017                      | 37. Red brass (C23000)                 |
| 16. Aluminum 2024                      | 38. Silicon bronze (C 65100)           |
| 17. Low-carbon steel                   | 39. Copper nickel, 30% (C71500)        |
| 18. Wrought iron                       | 40. Nickel (passive)                   |
| 19. Cast iron                          | 41. Inconel (passive)                  |
| 20. Monel                              | 42. Gold                               |
| 21. Ni-resist                          | 43. Platinum                           |
| 22. Type 304 stainless steel (passive) | Cathodic end                           |

Pitting corrosion

Pitting corrosion is localized and is identified by a cavity with a depth equal to or greater than the cavity's surface diameter. Pits may have different sizes and depths and most often appear randomly distributed. Aluminum and stainless steels in chloride environments are especially susceptible to pitting.

Pitting begins when surface defects, foreign particles or other variations in the metal lead to fixation of anodic (corroded) and cathodic (protected) sites on the metal surface. Acidic metal chlorides, which form and accumulate in the pit as a result of anodes attracting chloride ions, accelerate the pitting process over time. The nature of pitting often makes it difficult to estimate the amount of damage.

Crevice corrosion

Crevice corrosion is a specialized form of pitting that particularly attacks metals or alloys protected by oxide films or passive layers. It results from a relative lack of oxygen in a crevice, with the metal in the crevice becoming anodic to the metal outside. For the crevice to corrode, it must be large enough to admit the electrolyte, but small enough to suffer oxygen depletion.

Erosion corrosion

While erosion is a purely mechanical process, erosion corrosion combines mechanical erosion with chemical or electrochemical reaction. The process is accelerated by the generally rapid flow of liquid or gas over an eroded metal surface, removing dissolved ions and solid particles. As a result, the metal surface develops grooves, gullies, waves, rounded holes and valleys.

Erosion corrosion can damage most metals, especially soft ones like aluminum that are susceptible to mechanical wear, and those that depend for protection on a passive surface film, which can be eroded. Resulting damage can also be enhanced by particles or gas bubbles in a suspended state.

Intergranular corrosion

Intergranular corrosion occurs between the crystals (or grains) that formed when the metal solidified. The composition of the areas between the crystals differs from that of the crystals themselves, and these boundary areas can become subject to intergranular corrosion. Weld areas of austenitic stainless steels are often affected by this form of corrosion, and the heat-treatable aluminum alloys are also susceptible.



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## Corrosion resistance guide

The following table has been compiled as a guide for selecting appropriate cable trays for various industrial environments. The information can only be used as a guide because corrosion processes are dictated by the unique circumstances of any particular assembly.

Corrosion is significantly affected by trace impurities which, at times, can become concentrated through wet/dry cycles in locations that are prone to condensation and evaporation. It is not uncommon to find aggressive mists created from contaminant species, notably from sulfur or halogen sources.

Temperature greatly influences corrosion, sometimes increasing the rate of metal loss, (a rule-of-thumb guide is that a 30 °C change in temperature results in a 10X change in corrosion rate). Sometimes corrosion attack slows down at higher temperatures because oxygen levels in aqueous solutions are lowered as temperatures increase. If an environment completely dries out then there can be no corrosion.

Stress-associated corrosion might occur when assemblies are poorly installed and/or fabricated, e.g., on-site welding or mechanical fastening. Premature failure can result from: corrosion fatigue, which can occur in any environment; stress corrosion cracking, which occurs in the presence of a specific chemical when the metal is under a tensile stress, which may be residual or applied, (e.g., from poor fabrication or welding); fretting, where two adjacent surfaces (under load) are subjected to an oscillatory motion across the mating surfaces.

Design should minimize the risk of stress concentrations within a structure. Examples include sharp profiles, abrupt section changes and threaded screws. These measures are particularly important for metals that are prone to stress corrosion cracking in specific media. Design plays a significant role in exacerbating corrosion. Non-draining locations create liquid traps; local metal-to-metal (or metal-to-non-metal) contact points (e.g., mechanical assembly bolts with washers or spacers), permit crevice corrosion and/or galvanic corrosion to occur.

Areas that are poorly maintained, (e.g., surfaces are not regularly or properly washed and stubborn deposits remain on the metal surface), are particularly prone to localized corrosion damage due to different levels of oxygen under and adjacent to the location in question (differential aeration). Resulting damage from these situations is in the form of small holes (pits). In each of the examples just quoted, there is a restricted supply of oxygen. Thus, metals (e.g., aluminum, stainless steels, zinc) that rely on oxygen to form protective corrosion films (oxides, hydroxides, carbonates, etc.) may be prone to localized pitting and/or crevice corrosion.

A further example of localized corrosion occurs when dissimilar metals contact each other in the presence of a corrodent, i.e., galvanic corrosion. Each metal will corrode, but the one that is most active (anode) can be more corroded, especially when there is a large surrounding area of the less active (cathodic) metal. It is wise to avoid small anodic areas. Some examples include: steel bolts (small area of anodic metal) in stainless steel plate (large area of cathodic metal); steel bolts in copper plate – the steel corrodes. There can be environmental influences, for example, a fluid that contains active metallic species, like copper ion, contacts with aluminum (copper picked up from aqueous solutions conveyed in copper pipe) – the aluminum corrodes. A further dramatic example is provided when trace quantities of mercury contact aluminum – the aluminum corrodes very rapidly. These are examples of deposit corrosion.

## Technical information

### Corrosion resistance guide

#### Corrosion resistance guide

| Chemical species                   | Aluminum           | HDG/Steel | 316SS               |
|------------------------------------|--------------------|-----------|---------------------|
| Acetaldehyde                       | ++                 | +         | ++                  |
| Acetic acid – aerated              | (+) <sup>T,C</sup> | X         | (++) <sup>T</sup>   |
| Acetone                            | ++                 | ++        | ++                  |
| Acetylene                          | ++                 | nd        | ++                  |
| Allyl alcohol                      | +                  | nd        | ++                  |
| Aluminum chloride – dry            | +                  | nd        | (+) <sup>T,P</sup>  |
| Aluminum chloride – wet            | X                  | X         | (-) <sup>P</sup>    |
| Aluminum sulfate – satd.           | X                  | nd        | +                   |
| Ammonia – anhydrous                | ++                 | ++        | ++                  |
| Ammonia – gas                      | -                  | +         | (+) <sup>T</sup>    |
| Ammonium acetate                   | +                  | nd        | +                   |
| Ammonium bicarbonate               | -                  | nd        | (+) <sup>T</sup>    |
| Ammonium carbonate – satd.         | +                  | X         | +                   |
| Ammonium chloride – 28%            | X                  | X         | (+) <sup>P,S</sup>  |
| Ammonium chloride – 50%            | X                  | X         | X                   |
| Ammonium hydroxide                 | +                  | +         | (++) <sup>C</sup>   |
| Ammonium chloride – 28%            | X                  | X         | (+) <sup>P,S</sup>  |
| Ammonium chloride – 50%            | X                  | X         | X                   |
| Ammonium hydroxide                 | +                  | +         | (++) <sup>C</sup>   |
| Ammonium nitrate                   | +                  | X         | (++) <sup>S</sup>   |
| Ammonium phosphate – 40%           | X                  | nd        | +                   |
| Ammonium sulfate – to 30%          | X                  | -         | +                   |
| Amyl acetate                       | ++                 | ++        | ++                  |
| Asphalt                            | ++                 | +         | +                   |
| Beer                               | ++                 | X         | ++                  |
| Benzene (benzol)                   | ++                 | +         | (+) <sup>P</sup>    |
| Benzoic acid                       | +                  | nd        | +                   |
| Benzol – see benzene               |                    |           |                     |
| Boric acid (boracic acid)          | ++                 | nd        | (++) <sup>T,P</sup> |
| Bromine – wet                      | X                  | X         | X                   |
| Butadiene (butylene)               | +                  | +         | +                   |
| Butyl alcohol (butanol)            | ++                 | ++        | ++                  |
| Butyric acid                       | +                  | X         | +                   |
| Cadmium sulfate                    | +                  | nd        | ++                  |
| Calcium carbonate                  | -                  | nd        | +                   |
| Calcium chloride – satd.           | +                  | X         | (+) <sup>S</sup>    |
| Calcium hydroxide – satd.          | X                  | nd        | +                   |
| Calcium hypochlorite – satd.       | X                  | X         | (-) <sup>P</sup>    |
| Carbon dioxide – wet               | ++                 | +         | +                   |
| Carbon disulfide (bisulfide)       | ++                 | +         | ++                  |
| Carbon tetrachloride               | X                  | +         | (++) <sup>P,S</sup> |
| Carbolic acid – see phenol         |                    |           |                     |
| Carbonic acid – see carbon dioxide |                    |           |                     |

This guide provides an indication of the suitability of a potential candidate material for a specific chemical environment. These tables should be regarded only as a GUIDE to anticipated performance because of possible contributions from temperature, pollutant (contaminant) species, etc.

| Chemical species                         | Aluminum            | HDG/Steel | 316SS               |
|------------------------------------------|---------------------|-----------|---------------------|
| Caustic potash – see potassium hydroxide |                     |           |                     |
| Caustic soda – see sodium hydroxide      |                     |           |                     |
| Chlorine gas – wet                       | X                   | ++        | (-) <sup>P,S</sup>  |
| Chloroform                               | (+) <sup>dry</sup>  | +         | (+) <sup>T,S</sup>  |
| Chromic acid                             | +                   | nd        | (+) <sup>P</sup>    |
| Citric acid – dilute                     | (+) <sup>T,C</sup>  | X         | (++) <sup>P</sup>   |
| Copper chloride                          | X                   | X         | (-) <sup>P</sup>    |
| Copper nitrate                           | X                   | nd        | ++                  |
| Copper sulfate                           | X                   | -         | +                   |
| Cresol                                   | +                   | +         | +                   |
| Crude oil                                | ++                  | ++        | ++                  |
| Diethylamine                             | +                   | ++        | ++                  |
| Dimethyl ketone – see acetone            |                     |           |                     |
| Ethyl acetate                            | (++) <sup>dry</sup> | ++        | +                   |
| Ethyl alcohol (ethanol)                  | ++                  | ++        | ++                  |
| Ethylene dichloride                      | (-) <sup>dry</sup>  | ++        | (+) <sup>P,S</sup>  |
| Ethylene glycol (glycol)                 | ++                  | ++        | ++                  |
| Ferric chloride                          | X                   | X         | X                   |
| Ferric nitrate – 10%                     | X                   | nd        | +                   |
| Ferrous sulfate                          | +                   | nd        | (+) <sup>P</sup>    |
| Formaldehyde (methanal)                  | (+) <sup>P</sup>    | ++        | (++) <sup>T,C</sup> |
| Fluorine gas – moist                     | X                   | X         | X                   |
| Formalin – see formaldehyde              |                     |           |                     |
| Formic acid (methanoic acid) – 10%       | (+) <sup>T</sup>    | X         | (+) <sup>P,C</sup>  |
| Furfural (furfuraldehyde)                | +                   | nd        | +                   |
| Furol – see furfural                     |                     |           |                     |
| Gelatin                                  | ++                  | +         | ++                  |
| Glycerine (glycerol)                     | ++                  | ++        | ++                  |
| Hexamine – 80%                           | ++                  | nd        | ++                  |
| Hydrobromic acid                         | X                   | X         | X                   |
| Hydrochloric acid (muriatic acid)        | X                   | X         | X                   |
| Hydrocyanic acid – dilute                | +                   | nd        | +                   |
| Hydrocyanic acid – conc.                 | X                   | nd        | +                   |
| Hydrofluoric acid                        | X                   | X         | X                   |
| Hydrogen chloride gas – dry              | X                   | X         | (++) <sup>S</sup>   |
| Hydrogen chloride gas – wet              | X                   | X         | +                   |
| Hydrogen fluoride                        | (-) <sup>T</sup>    | nd        | +                   |
| Hydrogen peroxide – to 40%               | ++                  | nd        | +                   |
| Hydrogen sulfide – wet                   | (+) <sup>P</sup>    | nd        | (+) <sup>P,S</sup>  |
| Hypo – see sodium thiosulfate            |                     |           |                     |
| Hypochlorous acid                        | X                   | X         | X                   |
| Iodine solution – satd.                  | X                   | X         | X                   |
| Lactic acid                              | (+) <sup>T</sup>    | nd        | (+) <sup>P,I</sup>  |

## Technical information

### Corrosion resistance guide

#### Corrosion resistance guide

| Chemical species                    | Aluminum          | HDG/Steel 316SS       |
|-------------------------------------|-------------------|-----------------------|
| Latex                               | ++                | - ++                  |
| Lithium chloride – to 30%           | X                 | nd ++                 |
| Linseed oil                         | +                 | nd ++                 |
| Magnesium chloride – 50%            | X                 | X (+) <sup>P,S</sup>  |
| Magnesium hydroxide                 | +                 | nd ++                 |
| Magnesium sulfate                   | +                 | X +                   |
| Maleic acid (maleinic acid) – 20%   | +                 | nd +                  |
| Methyl alcohol (methanol)           | ++                | ++ ++                 |
| Methyl ethyl ketone                 | +                 | ++ +                  |
| Milk                                | ++                | X ++                  |
| Molasses                            | +                 | nd ++                 |
| Naptha                              | +                 | + +                   |
| Natural fats                        | ++                | ++ ++                 |
| Nickel chloride                     | X                 | nd (+) <sup>P,S</sup> |
| Nickel sulfate                      | X                 | nd +                  |
| Nitric acid                         | X                 | X (++) <sup>I</sup>   |
| Oleic acid                          | (++) <sup>T</sup> | nd ++                 |
| Oxalic acid – dilute                | -                 | nd +                  |
| Oxalic acid – saturated             | (+) <sup>T</sup>  | X X                   |
| Paraformaldehyde – to 30%           | +                 | nd ++                 |
| Perchloroethylene                   | +                 | X (++) <sup>P</sup>   |
| Phenol (carbolic acid)              | +                 | + ++                  |
| Phosphoric acid – dilute            | X                 | X ++                  |
| Phosphoric acid – 50%               | X                 | X (++) <sup>I</sup>   |
| Picric acid                         | ++                | nd +                  |
| Potassium bicarbonate – 30%         | X                 | nd ++                 |
| Potassium carbonate                 | X                 | nd ++                 |
| Potassium chloride – to 25%         | X                 | X (++) <sup>P</sup>   |
| Potassium dichromate – 30%          | (++) <sup>T</sup> | X ++                  |
| Potassium hydroxide                 | X                 | nd (+) <sup>S</sup>   |
| Potassium nitrate                   | ++                | ++ +                  |
| Potassium sulfate                   | ++                | ++ ++                 |
| Propionic acid (propanoic acid)     | (+) <sup>T</sup>  | X (+) <sup>T</sup>    |
| Propyl alcohol (propane)            | ++                | ++ ++                 |
| Prussic acid – see hydrocyanic acid |                   |                       |
| Pyridine                            | +                 | nd ++                 |
| Soaps                               | +                 | - +                   |
| Sodium bicarbonate – 20%            | +                 | nd ++                 |
| Sodium bisulfate                    | X                 | X (+) <sup>T</sup>    |
| Sodium bisulfite                    | X                 | X +                   |
| Sodium chloride – to 30%            | X                 | X (+) <sup>P,S</sup>  |
| Sodium cyanide                      | X                 | nd (+) <sup>T</sup>   |
| Sodium hydroxide – 10-30%           | X                 | X (+) <sup>S</sup>    |

| Chemical species                 | Aluminum            | HDG/Steel 316SS        |
|----------------------------------|---------------------|------------------------|
| Sodium hydroxide – 50%           | X                   | X (++) <sup>S</sup>    |
| Sodium hydroxide – conc          | X                   | X ++                   |
| Sodium hypochlorite – conc       | X                   | + (-) <sup>P,S</sup>   |
| Sodium nitrate                   | ++                  | X ++                   |
| Sodium peroxide – 10%            | +                   | nd +                   |
| Sodium silicate                  | ++                  | nd ++                  |
| Sodium sulfate                   | (++) <sup>30%</sup> | X ++                   |
| Sodium sulfide – to 50%          | X                   | nd (+) <sup>T</sup>    |
| Sodium thiosulfate               | +                   | nd +                   |
| Steam                            | (+) <sup>P</sup>    | ++ ++                  |
| Stearic acid                     | +                   | nd ++                  |
| Sorbital (hexahydric alcohol)    | ++                  | + ++                   |
| Sulfur dioxide – dry             | +                   | + ++                   |
| Sulfur dioxide – wet             | X                   | X (+) <sup>T</sup>     |
| Sulfuric acid – to 80%           | X                   | X X                    |
| Sulfuric acid – 80-90%           | X                   | X (-) <sup>I</sup>     |
| Sulfuric acid – 98%              | X                   | X (+) <sup>I</sup>     |
| Tannic acid (tannin)             | X                   | X +                    |
| Tartaric acid – to 50%           | (+) <sup>T</sup>    | nd ++                  |
| Toluene (Toluol; methyl benzene) | ++                  | ++ ++                  |
| Trichloroethylene                | (++) <sup>T</sup>   | + (+) <sup>P</sup>     |
| Turpentine                       | +                   | ++ ++                  |
| Water – acid, mine               | X                   | - (++) <sup>P</sup>    |
| Water – potable                  | +                   | + ++                   |
| Water – sea                      | +                   | + ++                   |
| Zinc chloride – dilute           | ++                  | nd (++) <sup>P,S</sup> |

Symbols:

**++** First choice; very low corrosion rate, typically <5 mpy, or <0.005 inch/year, (1 mil = 1/1000 inch)

**+** Good choice; low corrosion rate, typically <20 mpy, or <0.02 ipy

**-** Can use; corrosion rate up to 50 mpy (0.05 ipy); some limitations may apply

**X** Not recommended

**(-)** Brackets indicate probable limitations, e.g., at higher temperatures, [symbol "T"]; at higher concentrations, [symbol "C"]; due to pitting, [symbol "P"]; due to local grain boundary attack in the metal – intergranular corrosion, [symbol "I"]; or, due to stress corrosion cracking, [symbol "S"]

**nd** No available data

# Selection process

## 2. Select the tray class/load capacity (loading)

The standard classes of cable trays, as related to their maximum design loads and to the associated design support spacing based on a simple beam span requirement, shall be designated in accordance with Table 1. Please note the load ratings in Table 1 are those most commonly used. Other load ratings are acceptable.  
(according to NEMA VE-1/CSA C22.2 No 126.1-02).

Costs vary between different load classes. Since labor and coupling costs are similar for a given length of tray, the heavier classes are less cost-effective on a load length basis. The designer

should therefore specify the lightest class of tray compatible with the weight requirements of the cable tray.

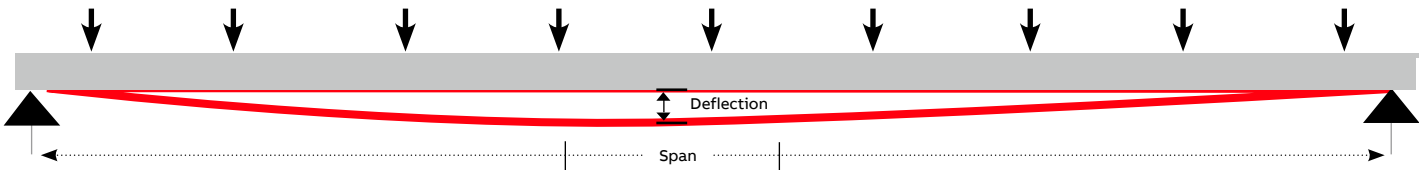
Table 1 – Span/load class designation – USA

| Load |          | Span. m (ft.) |         |          |          |          |
|------|----------|---------------|---------|----------|----------|----------|
| kg/m | (lb/ft.) | 1.5 (5)       | 2.4 (8) | 3.0 (10) | 3.7 (12) | 6.0 (20) |
| 37   | (25)     | 5AA           | 8AA     | 10AA     | 12AA     | 20AA     |
| 74   | (50)     | 5A            | 8A      | 10A      | 12A      | 20A      |
| 112  | (75)     | –             | 8B      | –        | 12B      | 20B      |
| 149  | (100)    | –             | 8C      | –        | 12C      | 20C      |

Note: These ratings are also used in Mexico

Table 2 – Span/load class designation – Canada

| Load |          | Span. m (ft.) |           |           |          |          |            |          |   |
|------|----------|---------------|-----------|-----------|----------|----------|------------|----------|---|
| kg/m | (lb/ft.) | 1.5 (5)       | 2.0 (6.5) | 2.5 (8.2) | 3.0 (10) | 4.0 (13) | 5.0 (16.4) | 6.0 (20) |   |
| 37   | (25)     | –             | –         | –         | A        | –        | –          | –        | – |
| 45   | (30)     | –             | –         | A         | –        | –        | –          | –        | – |
| 62   | (42)     | –             | A         | –         | –        | –        | –          | –        | – |
| 67   | (45)     | –             | –         | –         | –        | –        | –          | –        | D |
| 82   | (55)     | –             | –         | –         | –        | –        | D          | –        | – |
| 97   | (65)     | –             | –         | –         | C        | –        | –          | –        | – |
| 99   | (67)     | A             | –         | –         | –        | –        | –          | –        | – |
| 112  | (75)     | –             | –         | –         | –        | –        | –          | –        | E |
| 113  | (76)     | –             | –         | –         | –        | D        | –          | –        | – |
| 119  | (80)     | –             | –         | C         | –        | –        | –          | –        | – |
| 137  | (92)     | –             | –         | –         | –        | –        | E          | –        | – |
| 164  | (110)    | –             | C         | –         | –        | –        | –          | –        | – |
| 179  | (120)    | –             | –         | –         | D        | –        | –          | –        | – |
| 189  | (127)    | –             | –         | –         | –        | E        | –          | –        | – |
| 259  | (174)    | C             | –         | –         | –        | –        | –          | –        | – |
| 299  | (200)    | –             | –         | –         | E        | –        | –          | –        | – |



**Cable loads**

The cable load is the total weight, expressed in (kg/m), of all the cables that will be placed in the cable tray.

**Snow loads**

The additional design load from snowfall should be determined using the building codes that apply for each installation.

**Ice loads**

The additional load design due to ice is determined by the following formula:

$$W_i = W \times T_i \times D_i / 144$$

Where:

**W<sub>i</sub>** = ice load (lb/ft.)

**W** = width of the tray (inches)

**T<sub>i</sub>** = maximum ice thickness (inches)

**D<sub>i</sub>** = 57 lb/ft.<sup>3</sup> ice density

$$W_i = W \times T_i \times D_i / 10^6$$

Where:

**W<sub>i</sub>** = ice load (kg/m)

**W** = width of the tray (mm)

**T<sub>i</sub>** = maximum ice thickness (mm)

**D<sub>i</sub>** = 913 kg / m<sup>3</sup> ice density

Ice thickness will vary depending on installation location. A value of ½ inch can be used as a conservative standard for Canada.

**Wind loads**

The additional loading to be considered is the effect of the impact pressure normal to the side rail. This loading is determined by the following formula:

$$W_p = 0.00256 \times V^2 \times H / 12$$

Where:

**W<sub>p</sub>** = loading due to the wind (lb/linear foot)

**V** = wind velocity (mph)

**H** = height of the side rail (inches)

**It is important to note that cable tray is not designed to support personnel. The user should display appropriate warnings to prevent the use of cable tray as walkways.**

**Concentrated loads**

A concentrated static load is not included in Table 1. Some user applications may require that a given concentrated static load be imposed over and above the working load.

Such a concentrated static load represents a static weight applied on the centerline of the tray at midspan. When so specified, the concentrated static load may be converted to an equivalent uniform load (W<sub>e</sub>) in kilograms/meter (pounds), using the following formula, and added to the static weight of cable in the tray:

$$W_e = \frac{2 \times (\text{concentrated static load, kg (lb)})}{\text{Span length, m (ft.)}}$$

**Seismic loads**

It is now known that cable tray systems can withstand stronger earthquakes than previously thought. The tray itself and the support material are highly ductile, and the cables moving within the tray tend to dissipate energy. However, if you have specific seismic specifications for selected cable tray, please consult ABB to ensure your specifications are met.

## Loading for grades B, C and D

### General loading requirements and maps (IEEE: Section 25 loading for grades B, C and D)

#### General

1. It is necessary to estimate the loadings that may be expected to occur on a line because of wind and ice during all seasons of the year. These weather loadings shall be the values of loading resulting from the application of Rules 250B or 250C. Where both rules apply, the required loading shall be the one that, when combined with the appropriate overload capacity factors, has the greater effect on strength requirements.
2. Where construction or maintenance loads exceed those imposed by Rule 250A1, which may occur more frequently in light loading areas, the assumed loadings shall be increased accordingly.
3. It is recognized that loadings actually experienced in certain areas in each of the loading districts may be greater, or in some cases, may be less than those specified in these rules. In the absence of a detailed loading analysis, no reduction in the loadings specified therein shall be made without the approval of the administrative authority.

#### Combined ice and wind loading

Three general angles of loading due to weather conditions are recognized and are designated as heavy, medium and light loading. Figure 250-1 shows the districts in which these loadings are normally applicable.

Figure 250-1 shows the radial thickness of ice and the wind pressures to be used in calculating loading. Ice is assumed to weigh 57 lb/ft.<sup>3</sup> (913 kg/m<sup>3</sup>).

#### Extreme wind loading

If any portion of a structure or its supported facilities exceeds 60 ft. (18 m) above ground or water level, the applicable horizontal wind speed of Figure 250-2, as determined by the linear interpolation, shall be used to calculate horizontal wind pressures. These pressures shall be applied to the entire structure and supported facilities without ice loading.

The following formulas shall be used to calculate wind pressures on cylindrical surfaces:

$$\text{pressure in lb/ft.}^2 = 0.00256 (v \text{ m/h})^2$$

$$\text{pressure in pascals} = 0.613 (v \text{ m/h})^2$$

Where:

**m** = meters

**s** = seconds

Figure 250-2 lists the conversions of velocities to pressures for typical wind speeds as calculated by the formulas listed above. If no portion of the structure or its supported facilities exceeds 60 ft. (18 m) above ground or water level, the provisions of this rule are not required.

**For Canadian customers, please refer to Annex A (page A232) for figure 250-1CDN and figure 250-2CDN.**

**For American customers, please refer to Annex B (page A232) for figure 250-1USA and figure 250-2USA.**

## Structural design

An installed cable tray system functions as a beam under a uniformly distributed load. The four basic beam configurations found in cable installations are simple, continuous, cantilever and fixed. Each is attached to the cable tray support in a different way.

### Continuous beam

Cable tray sections forming spans constitute a continuous beam configuration, the most common found in cable tray installations. This configuration exhibits characteristics of the simple beam and the fixed beam. For example, with loads applied to all spans at the same time, the ends spans function like simple beams, while the counterbalancing loads on either side of a support function like a fixed beam. As the number of spans increases, the continuous beam behaves increasingly like a fixed beam, and the maximum deflection continues to decrease. As this occurs, the system's load carrying capability increases.

### Simple beam

A straight section of cable tray supported at both ends but not fastened functions as a simple beam. Under a load, the tray will exhibit deflection. The load carrying capacity of a cable tray unit should be based on simple beam loading, since this type of loading occurs at run ends, offsets, etc., in any tray system. The NEMA/CSA Load Test is a simple beam, uniformly distributed load test, used primarily because it is easy to test and represents the worst case beam condition compared to continuous or fixed configurations. The only criterion for NEMA/CSA acceptance is the ability to support 150% of the rated load.

### Fixed beam

Like the cantilever beam, a fixed beam applies more to the cable tray supports than the tray itself, because both ends of a fixed beam are firmly attached to the supports. The rigid attachment prevents movement and increases load bearing ability.

### Cantilever beam

A cantilever beam has more to do with the cable tray supports than the tray. Attaching one end of a beam to a support while the other end remains unsupported, as when wall mounting a bracket, creates a cantilever beam configuration. Obviously, with one end unsupported, the load rating of a cantilever beam is significantly less than that of a simple beam.

### Design loadings

Basic cable trays are designed on the basis of maximum allowable stress for a certain section and material. The allowable cable load varies with the span, type and width of the tray.

### Splicing

Since the need for a continuous system requires that side rails be spliced, splice plates must be both strong and easy to install. The ABB aluminum snap-in splice plate allows hands-free installation of hardware for easier assembly. If practical, splices in a continuous span cable tray system should be installed at points of minimum stress. Unspliced straight sections should be used on all simple spans and on end spans of continuous span runs. Straight section lengths should be equal to or greater than the span length to ensure not more than one splice between supports.

Examples of splicing configurations are shown on page A25.

### Basic design stresses

Allowable working stresses are the basis for all structural design. Since they must be of such magnitude as to assure the safety of the structure against failure, their selection is a matter of prime importance. In practice, a basic design stress is determined by dividing the strength of the material by a factor of safety. The determining factors in establishing a set of basic design stresses for a structure are therefore the mechanical properties of the materials and suitable factors of safety. Yield strength and ultimate strength are the mechanical properties most commonly considered to govern design. Values for these properties are readily obtainable. In determining the factor of safety, the designer must usually be guided by current practice – the “standard specifications” adopted by various technical societies and associations – and his or her own judgment and experience.

## Structural design (continued)

### Factors of safety

Since a low value for the factor of safety results in economy of material, the designer seeks to establish a value as low as is practical, based on sound engineering judgment and experience. In making the determination, consideration of the following factors are highly important:

- **The accuracy with which the loads to represent service conditions are selected and assumed.**

If there is much doubt concerning these loads, the basic design stress will have to be more conservative than under conditions where the loads are known with considerable accuracy.

- **The accuracy with which the stresses in the members of a structure are calculated.**

Many approximations are used in structural design to estimate stress distribution. The choice of a factor of safety should be consistent with how accurate the analysis is. The more precise the method, the greater the allowable unit stress may be.

- **The significance of the structure being designed.**

The designer must keep in mind the relative importance of the structure and appraise the possibility of its failure causing significant property damage or loss of life. In this respect, the significance of the design will govern the choice of a factor of safety to a considerable extent.

The factors of safety used in designing most common types of structures are an outgrowth of the experience gained from many applications and tests – even failures. The trend in recent years has been to reduce the factors of safety in line with improved quality of material and increasing knowledge of stress distribution. Further reductions may be made in the future as greater accuracy in determinations becomes possible and practicable.

### Application of design stresses to cable tray systems

A cable tray manufacturer must design standard products to accommodate the great variations encountered in applications. The factors affecting the selection of a suitable basic design stress necessarily result in more conservative stresses than might otherwise be required.

An engineer who is in a position to determine specific stress requirements with a far greater degree of accuracy may consider that the manufacturer's basic design stresses are too conservative for a particular project. Using individual experience and judgment, he or she would establish a new set of basic design stresses, selecting those safety factors that would result in a cable tray system best suited to meet the projected service conditions. With these stresses, the engineer can easily calculate an increase or decrease in the manufacturer's loading data, since the load is always in direct proportion to the stress.

The factors of safety used in determining maximum allowable stresses are as follows:

### Aluminum alloys

- For tension: the lower of  $\frac{1}{3}$  the minimum ultimate strength or  $\frac{1}{2}$  the minimum yield strength in tension.
- For compression: the lower of  $\frac{1}{3}$  the minimum ultimate strength or  $\frac{2}{3}$  the minimum yield strength in compression.
- For shear: the lower of  $\frac{1}{3}$  the minimum ultimate strength or  $\frac{1}{2}$  the minimum yield strength in shear.

### For hot rolled steels

- For tension: the lower of  $\frac{1}{2}$  the minimum ultimate strength or the minimum yield point in tension times 0.61.
- For compression: the lower of  $\frac{1}{2}$  the minimum ultimate strength or the minimum yield point in compression times 0.61.
- For shear: maximum stress not to exceed a value of  $\frac{2}{3}$  the basic design stress for tension.

### Design efficiency

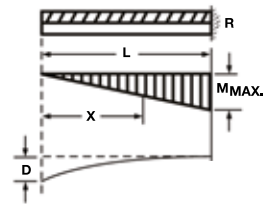
A tray designed to perform its required function with the minimum weight (which facilitates installation) requires the material to be used in the most effective manner. The design requirements of side rails are different from those of rungs or ventilated bottom; fabricated tray allows the designer to use different shapes and thicknesses of metal to the best advantage. The strength of the side rail and rungs is increased by the proper use of metal in the high strength heat-treated aluminum or continuously rolled cold-worked steel sections.



## Loading

### Cantilever beams

#### Uniform load



Reaction:  $R = wL = W$

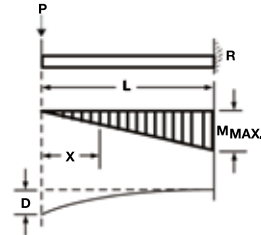
Moment at any point:  $M = \frac{wX^2}{2} = \frac{WX^2}{2L}$

Maximum moment  $M_{max} = \frac{wL^2}{2} = \frac{WL}{2}$

Maximum deflection:  $D = \frac{wL^4}{8EI} = \frac{WL^3}{8EI}$

Maximum shear:  $V = wL$

#### Concentrated load at free end



Reaction:  $R = P$

Moment at any point:  $M = Px$

Maximum moment  $M_{max} = PL$

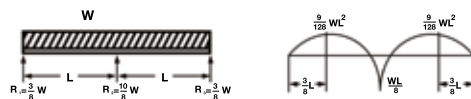
Maximum deflection:  $D = \frac{PL^3}{3EI}$

Maximum shear:  $V = P$

## Loading

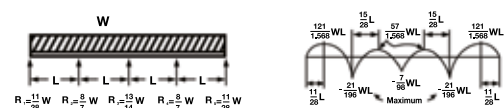
### Continuous beams

#### Two span

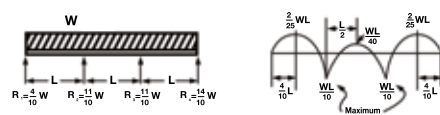


$W = wL$

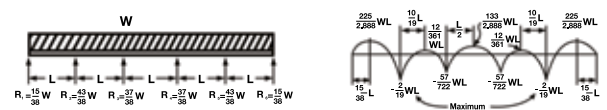
#### Four span



#### Three span



#### Five Span

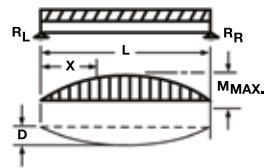


## Loading

### Simple beams

#### Uniform load

w per unit of length, total load w



Reaction:  $R_L = R_R = \frac{wL}{2} = \frac{W}{2}$

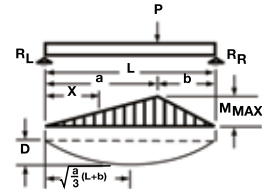
Moment at any point:  $M = \frac{wX(L-X)}{2} = \frac{WX(L-X)}{2L}$

Maximum moment at center  $M_{max} = \frac{wL^2}{8} = \frac{WL}{8}$

Maximum deflection:  $D = \frac{5wL^4}{384EI} = \frac{5WL^3}{384EI}$

Maximum shear:  $V = \frac{wL}{2}$

#### Concentrated load at any point



Reaction:  $R_L = \frac{Pb}{L}, R_R = \frac{Pa}{L}$

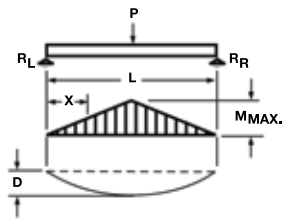
Moment at any point:  $X \leq a, M = R_L X = \frac{PbX}{L}$   
 $X \geq a, M = R_R (L-X) = \frac{Pa(L-X)}{L}$

Maximum moment: At  $X = a, M_{max} = \frac{Pab}{L}$

Maximum deflection:  $D = \frac{Pab(L+b)3a(L+b)}{27EIL}$

Maximum shear:  $V = \frac{Pa}{L}$ , when  $a > b$

#### Concentrated load at center



Reaction:  $R_L = R_R = \frac{P}{2}$

Moment at any point:  $X \leq \frac{L}{2}, M = \frac{PX}{2}$   
 $X \geq \frac{L}{2}, M = \frac{P(L-X)}{2}$

Maximum moment at center  $M_{max} = \frac{PL}{4}$

Maximum deflection:  $D = \frac{PL^3}{48EI}$

Maximum shear:  $V = \frac{P}{2}$

## Selection process

### 3. Select the tray type

—  
Cable tray is available with three styles of bottom:

**Ladder cable tray** is a prefabricated structure consisting of two longitudinal side rails connected by individual transverse members.

**Ventilated cable tray** is a prefabricated structure consisting of a ventilated bottom within integral or separate longitudinal side rails, with no openings exceeding 4 in. in a longitudinal direction.

**Solid bottom cable tray** is a prefabricated structure without openings in the bottom.

Ladder tray is most often used because of its cost-effectiveness. The designer has a choice of four nominal rung spacings: 6, 9, 12 and 18 inches. The greatest rung spacing compatible with an adequate cable bearing surface area should be selected. Heavy power cables often require greater cable bearing area due to the possibility of creep in the jacket material of the cable. If this is a concern, consult the cable manufacturer.

This condition may require the use of ventilated tray, which also offers additional mechanical protection for the cables. Local building codes may require totally enclosed cable tray systems under certain conditions. The designer should verify these before specifying the type of tray to be used.

## Selection process

### 4. Select the tray size

The width or height of a cable tray is a function of the number, size, spacing and weight of the cables in the tray. Available nominal widths are 6, 9, 12, 18, 24, 30, 36 and 42 inches.

When specifying width, it is important to remember that the load rating does not change as the width increases. Even with six times the volume, a 36 in. wide tray cannot hold any more weight than a 6 in. wide tray. If the load rating of the tray permits, cable can be piled deeper in the tray. Most tray classes are available in a nominal 3%, 4, 5, 6 and 7 inches (8 inch height also available as a special – see appendix).

Cable ties or other spacing devices may be used to maintain the required air space between cables.

# Selection process

## 5. Select the fittings

Fittings are used to change the size or direction of the cable tray. The most important decision to be made in fitting design concerns radius. The radius of the bend, whether horizontal or vertical, can be 12, 24, 36 or 48 in., or even greater on a custom basis.

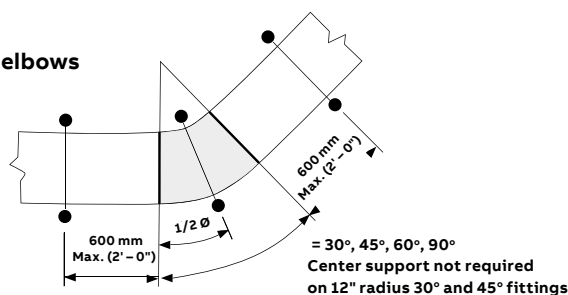
The selection requires a compromise with the considerations being available space, minimum bending radius of cables, ease of cable pulling and cost.

The typical radius is 24 in. Fittings are also available for 30°, 45°, 60° and 90° angles.

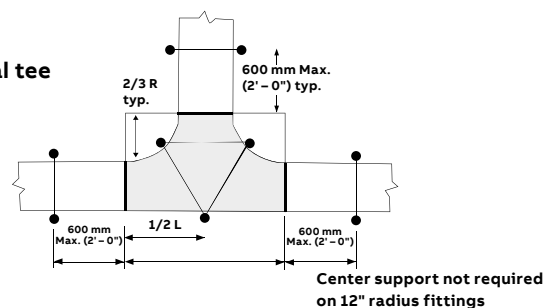
When a standard angle will not work, field fittings or adjustable elbows can be used. It may be necessary to add supports to the tray at these points. Refer to NEMA VE2 installation guidelines for suggested support locations. Note that fittings are not subject to NEMA/CSA load ratings.

### Support locations for fittings

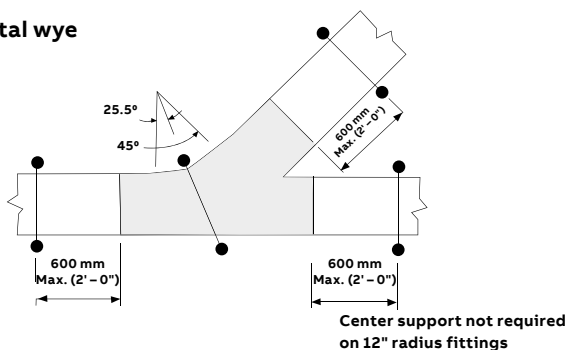
#### Horizontal elbows



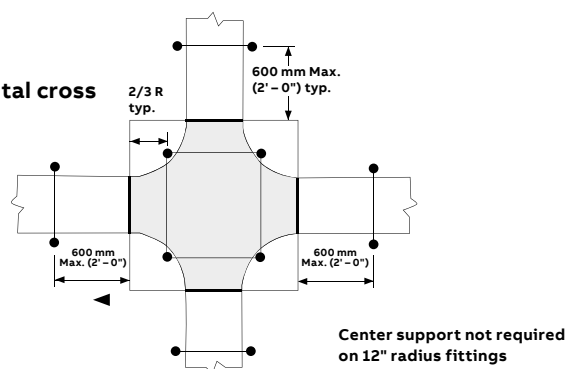
#### Horizontal tee



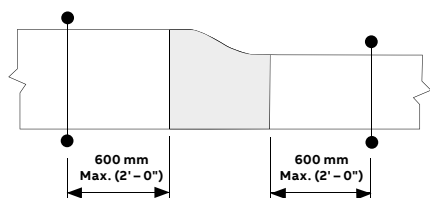
#### Horizontal wye



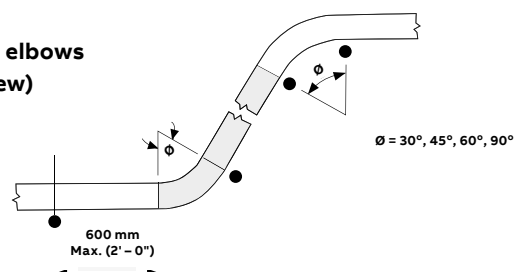
#### Horizontal cross



#### Reducer



#### Vertical elbows (side view)



# Selection process

## 6. Consider deflection

Deflection of the cable tray affects the appearance of an installation, but it is not a structural issue. In the case of nonmetallic cable tray, deflection may be affected by elevated temperatures.

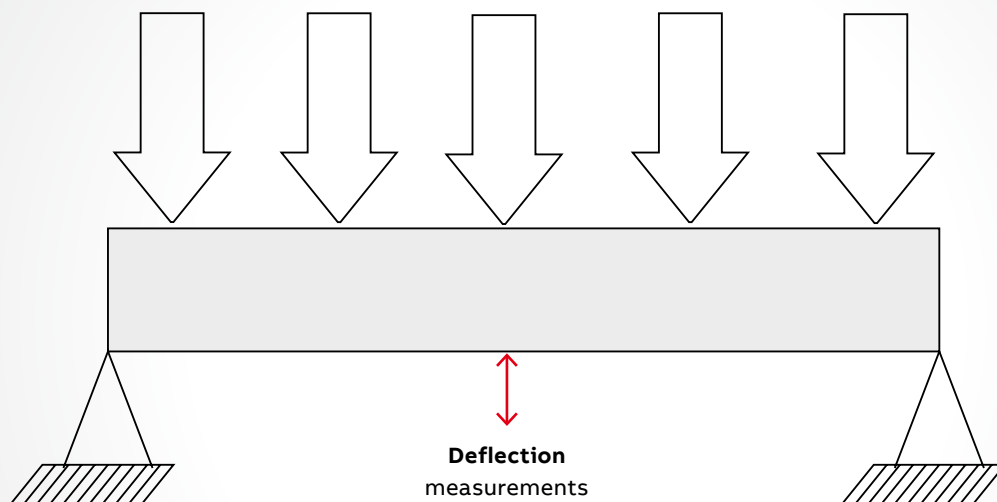
—  
01 Test load = 1.5 x  
rated load x length

The NEMA/CSA load test is a simple beam, uniformly distributed load test (see Figure 1). This type of test was initially selected because:

- It was easiest to test.
- It represents the worst case beam condition compared to continuous or fixed configurations. When consulting the manufacturer's catalogue for deflection information, the designer must verify whether the data shown represents simple or continuous beam deflection. If continuous beam deflection is shown, the calculation factor should be given.

NEMA/CSA has one criterion for acceptance under their load test: the ability to support 150% of the rated load.

—  
01



—  
01 Simple beam  
Uniformly distributed  
load  
—  
02 Continuous  
beam – two spans  
Uniformly distributed  
load

6. Consider deflection (continued)

**Simple vs. continuous beam deflection**  
Theoretical maximum deflection for a simple beam,  
uniformly distributed load may be calculated as:

0.0130  $\frac{wL^4}{EI} \times 1728 = 22.5 \frac{wL^4}{EI}$

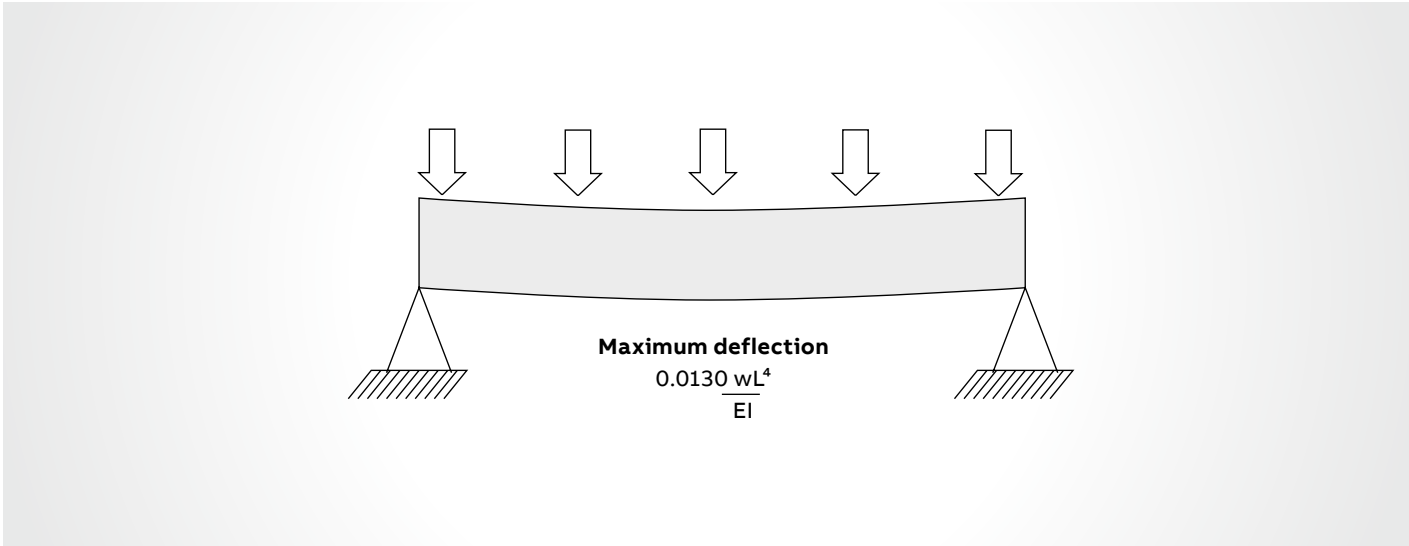
Where: **w** = Load  
**L** = Length  
**E** = Modulus of elasticity  
**I** = Moment of inertia

The maximum deflection calculation for a  
continuous beam of two spans with a uniformly  
distributed load is:

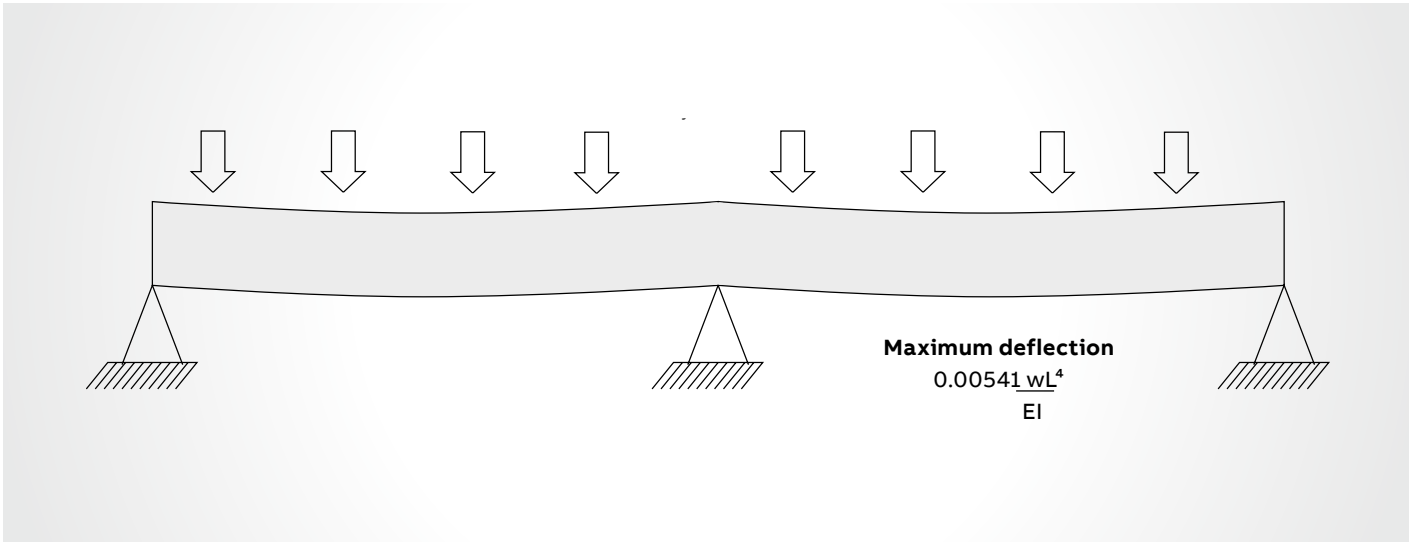
0.00541  $\frac{wL^4}{EI}$

A continuous beam of two spans therefore has a  
theoretical maximum deflection of only 42% of its  
simple beam deflection. As the number of spans  
increases, the beam behaves increasingly like a  
fixed beam, and the maximum deflection continues  
to decrease. As this occurs, the system's load  
carrying capability increases.

—  
01



—  
02



- 03 Couplers at supports  
— not recommended
- 04 Couplers at  $\frac{1}{4}$   
span from supports  
— ideal layout

## Location of couplings

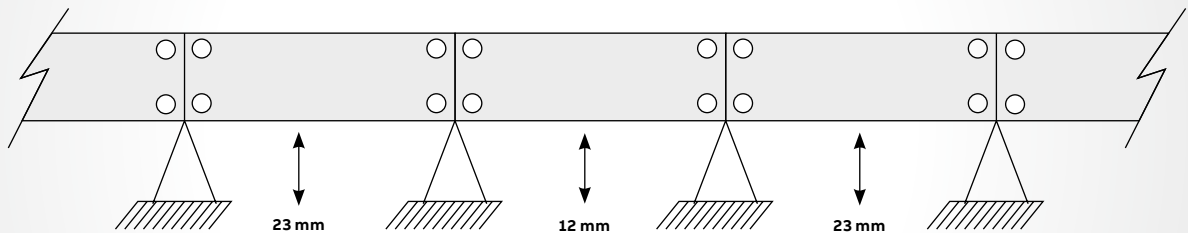
Since different bending moments are created in each span, there is no simple factor to approximate deflection as the number of spans increases. It is possible to calculate these deflections at any given point by using second integration of the basic differential equation for beams. Testing shows that the center span of a three-tray continuous beam can deflect less than 10 % of its simple beam deflection.

The support span should not be greater than the straight section length, to ensure no more than one splice is located between supports.

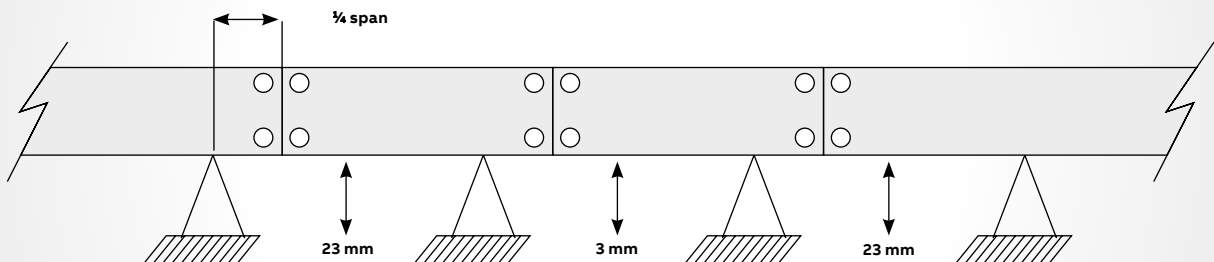
### Location of couplers

(See Figure 4) The location of the coupler dramatically affects the deflection of a cable tray system under equal loading conditions. Testing indicates that the maximum deflection of the center span of a three-span tray run can decrease four times if the couplers are moved to the one-quarter point from the above supports. This can be a major concern for designers considering modular systems for tray and pipe racks.

—  
03



—  
04



# Selection process

## 7. Consider thermal expansion and contraction

Table 1 – Maximum distance between expansion joints (for 1 in. movement)

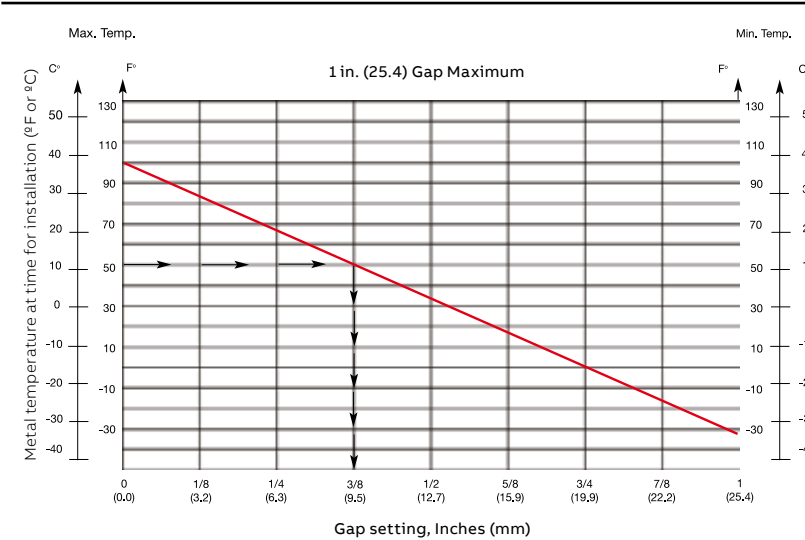
| Temperature Differential |     | 316 Stainless Steel |      | Steel |      | Aluminum |      |
|--------------------------|-----|---------------------|------|-------|------|----------|------|
| °C                       | °F  | m                   | Feet | m     | Feet | m        | Feet |
| 14                       | 25  | 115                 | 379  | 156   | 512  | 79       | 260  |
| 28                       | 50  | 58                  | 189  | 78    | 256  | 40       | 130  |
| 42                       | 75  | 38                  | 126  | 52    | 171  | 27       | 87   |
| 56                       | 100 | 29                  | 95   | 39    | 128  | 20       | 65   |
| 70                       | 125 | 23                  | 76   | 31    | 102  | 16       | 52   |
| 83                       | 150 | 19                  | 63   | 26    | 85   | 13       | 43   |
| 97                       | 175 | 16                  | 54   | 22    | 73   | 11       | 37   |

Note: Every pair of expansion splice plates requires two bonding jumpers for grounding continuity.

A cable tray system may be affected by thermal expansion and contraction, which must be taken into account during installation.

To determine the number of expansion splice plates you need, decide the length of the straight cable tray runs and the total difference between the minimum winter and maximum summer temperatures. To function properly, expansion splice plates require accurate gap settings between trays. To find the gap, see Figure 2.

Figure 2 – Gap setting of expansion splice plate

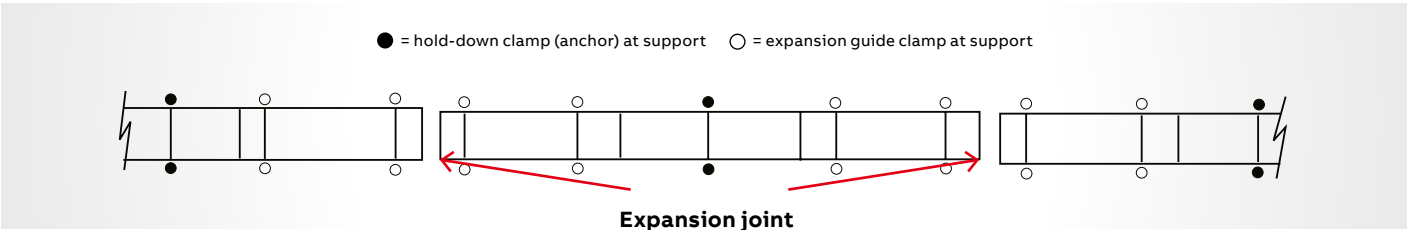


### Plot your gap setting

- Locate the lowest metal temperature on low temperature line.
- Locate the highest metal temperature on high temperature line.
- Connect these two points.
- Locate installation temperature and plot to high/low line.
- Drop plot to gap setting.

The support nearest the midpoint between expansion splice plates should be anchored, allowing the tray longitudinal movement in both directions. All other support location should be secured by expansion guides. (See Figure 3.)

Figure 3 – Typical cable tray installation





# Selection process

## 8. Electrical grounding capacity

The National Electrical Code, Article 392-7 allows cable tray to be used as an equipment grounding conductor. All ABB standard cable trays are classified by Underwriter's Laboratories per US NEC Table 392-7 based on their cross-sectional area.

The corresponding cross-sectional area for each side rail design (2 side rails) is listed on the label. This cable tray label is attached to each straight section that is UL classified. Fittings are not subject to CSA or UL.

### NEC Table 392.7 (B)

Metal area requirements for cable trays used as equipment grounding conductors.

For SI units: 1 in.<sup>2</sup> = 645 mm<sup>2</sup>

NEC Table 392.7 (B) – Metal area requirements for cable trays used as equipment grounding conductors.

| Maximum fuse ampere rating, circuit breaker ampere trip setting or circuit breaker protective relay ampere trip setting for ground fault protection of any cable circuit in the cable tray system | Minimum cross-sectional area of metal* in square inches |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------|
|                                                                                                                                                                                                   | Steel cable trays                                       | Aluminum cable trays |
| 60                                                                                                                                                                                                | 0.20                                                    | 0.20                 |
| 100                                                                                                                                                                                               | 0.40                                                    | 0.20                 |
| 200                                                                                                                                                                                               | 0.70                                                    | 0.20                 |
| 400                                                                                                                                                                                               | 1.00                                                    | 0.40                 |
| 600                                                                                                                                                                                               | 1.50**                                                  | 0.40                 |
| 1000                                                                                                                                                                                              | –                                                       | 0.60                 |
| 1200                                                                                                                                                                                              | –                                                       | 1.00                 |
| 1600                                                                                                                                                                                              | –                                                       | 1.50                 |
| 2000                                                                                                                                                                                              | –                                                       | 2.00**               |

\* Total cross-sectional area of both side rails for ladder or trough-type cable trays; or the minimum cross-sectional area of metal in channel-type cable trays or cable trays of one-piece construction.

\*\* Steel cable trays shall not be used as equipment grounding conductors for circuits with ground-fault protection above 600 amperes. Aluminum cable trays shall not be used as equipment grounding conductors for circuits with ground-fault protection above 2000 amperes. For larger ampere ratings, an additional grounding conductor must be used.

See pages A237 to A239 for grounding and bonding products.

For more information on grounding and bonding cable tray, refer to section 4.7 of the NEMA VE 2-2006 cable tray installation guidelines.

# Engineering cable tray

## Specification

### Cable tray

- Cable tray shall be by one manufacturer and shall consist of straight sections, fittings and accessories per NEMA VE1-2006/CSA C22.2 No. 126.1-02. Cable tray must be listed by UL as equipment grounding conductor. There shall be no burrs, projections or sharp edges to damage the cable insulation.

### Material

- **Aluminum** – All side rails, and rungs shall be of extruded aluminum type 6063-T6. Side rails shall be of I-beam construction.
- **Pregalvanized steel** – All side rails and rungs shall be of steel conforming to the requirements of ASTM A653/A653M-06a with G90 coating thickness. Side rail shall be reinforced with flanges turned inward.
- **Hot-dipped galvanized steel** – All side rails and rungs shall be made from steel conforming to the requirements of A1008/A1008M-07, SS grade 33, type 2 or A1011/A1011-06b SS, grade 33 and shall be hot-dipped galvanized after manufacture per ASTM A123 providing a minimum thickness of 1.50 oz per ft.<sup>2</sup>
- **Stainless steel** – All cable tray and accessories shall be of type AISI 316 stainless steel.

### Tray types

- **Ladder** – Ladder tray shall incorporate two side rails connected by lateral rungs. Rungs shall provide minimum 1 in. bearing surface and have slots perpendicular to the centerline of the rung on 1 in. centers for attachment of cable ties. Rungs shall also have an open slot to facilitate attachment of pipe straps and other accessories. Rungs shall be installed at 6, 9, 12 or 18 in. spacing. The rungs shall not be below the bottom of the side rail.
- **Solid Bottom** – Solid bottom tray shall incorporate two side rails connected by rungs on 12 in. centers with a solid sheet applied below the rungs.
- **Ventilated trough** – Ventilated trough tray shall incorporate two side rails connected by rungs at 4 in. spacing.

### Dimensions

- **Side rail height** – Side rails heights shall be 3½, 4, 5, 6 and 7 in. Minimum loading depths shall be 2½, 3, 4, 5, and 6 in.
- **Length** – All cable tray straight sections shall be supplied in 12 ft., 24 ft., 3 m and 6 m lengths.
- **Width** – Cable tray shall be supplied in 6, 9, 12, 18, 24, 30 and 36 in. widths as required.
- **Radius fittings** – For all fittings requiring a radius, that radius shall be 12, 24, 36 or 48 in. and shall be measured to the nearest perpendicular surface.

### Accessories

- **Covers and accessories** – Covers shall be supplied to protect tray cable where needed. Appropriate hold-downs shall be supplied to properly attach the covers to the tray.
- **Splice plates** – Aluminum splice plates shall be designed to snap into tray side rail and shall be supplied with four square neck carriage bolts and hex nuts for attachment. Steel splice plates shall be supplied with four square neck carriage bolts and hex nuts for attachment.

### Loading capabilities

- Cable tray shall meet specified NEMA/CSA load ratings with safety factor of 1.5. The cable tray should also be able to support a 200 lb concentrated load at midspan over and above stated cable load.

### Design and manufacture

- Cable tray design shall be that of T&B Cable Tray systems as manufactured by ABB.

## Selection of ABB series of cable tray

Please refer to Table 2 for aluminum and Table 3 for steel

**Table 1a – Span/load class designation – USA**  
(See Clauses 4.8.1, 4.8.2 and 6.1.2 (c).)

| Load kg/m (lb/ft.) |          | Span, m (ft.) |         |          |          |          |
|--------------------|----------|---------------|---------|----------|----------|----------|
| kg/m               | (lb/ft.) | 1.5 (5)       | 2.4 (8) | 3.0 (10) | 3.7 (12) | 6.0 (20) |
| 37                 | (25)     | 5AA           | 8AA     | 10AA     | 12AA     | 20AA     |
| 74                 | (50)     | 5A            | 8A      | 10A      | 12A      | 20A      |
| 112                | (75)     | –             | 8B      | –        | 12B      | 20B      |
| 149                | (100)    | –             | 8C      | –        | 12C      | 20C      |

Note: These ratings are also used in Mexico.

**Table 1b – Span/load class designation – CANADA**  
(See Clauses 4.8.1, 4.8.2 and 6.1.2 (c).)

| Load kg/m (lb/ft.) |          | Span, m (ft.) |     |             |     |     |          |   |
|--------------------|----------|---------------|-----|-------------|-----|-----|----------|---|
| kg/m               | (lb/ft.) | 1.5 (5)       | 2.0 | 2.53.0 (10) | 4.0 | 5.0 | 6.0 (20) |   |
| 37                 | (25)     | –             | –   | –           | A   | –   | –        | – |
| 45                 | (30)     | –             | –   | A           | –   | –   | –        | – |
| 62                 | (42)     | –             | A   | –           | –   | –   | –        | – |
| 67                 | (45)     | –             | –   | –           | –   | –   | –        | D |
| 82                 | (55)     | –             | –   | –           | –   | –   | D        | – |
| 97                 | (65)     | –             | –   | –           | C   | –   | –        | – |
| 99                 | (67)     | A             | –   | –           | –   | –   | –        | – |
| 112                | (75)     | –             | –   | –           | –   | –   | –        | E |
| 113                | (76)     | –             | –   | –           | –   | D   | –        | – |
| 119                | (80)     | –             | –   | C           | –   | –   | –        | – |
| 137                | (92)     | –             | –   | –           | –   | –   | E        | – |
| 164                | (110)    | –             | C   | –           | –   | –   | –        | – |
| 179                | (120)    | –             | –   | –           | D   | –   | –        | – |
| 189                | (127)    | –             | –   | –           | –   | E   | –        | – |
| 259                | (174)    | C             | –   | –           | –   | –   | –        | – |
| 299                | (200)    | –             | –   | –           | E   | –   | –        | – |

**Table 2 – Aluminum load/span class designation**

| Side rail height (in.) | Series | Load depth (in.) nominal | NEMA class | CSA class |
|------------------------|--------|--------------------------|------------|-----------|
| 4                      | AH14   | 3                        | 12B, 8C    | C/3m      |
| 4                      | AH34   | 3                        | 12C, 16B   | D/6m      |
| 4                      | AH54   | 3                        | 20B, 16C   | E/6m      |
| 5                      | AH25   | 4                        | 12C, 16A   | D/6m      |
| 5                      | AH45   | 4                        | 20B        | E/6m      |
| 6                      | AH16   | 5                        | 12C, 16A   | D/6m      |
| 6                      | AH36   | 5                        | 20B        | E/6m      |
| 6                      | AH46   | 5                        | 20C        | E/6m      |
| 6                      | AH56   | 5                        | 20C        | E/6m      |
| 6                      | AH66   | 5                        | 20C        | E/6m      |
| 6                      | AH76   | 5                        | 20C        | E/6m      |
| 7                      | AH37   | 6                        | 20C        | E/6m      |
| 7                      | AH47   | 6                        | 20C        | E/6m      |
| 8                      | AH18   | 7                        | 20C        | E/6m      |

**Table 3 – Steel load/span class designation**

| Side rail height (in.) | Series         | Load depth (in.) nominal | NEMA class | CSA class |
|------------------------|----------------|--------------------------|------------|-----------|
| 3½                     | SH13/SP13/SS13 | 2½                       | 12A        | C/3m      |
| 4                      | SH14/SP14/SS14 | 3                        | 12C        | D/3m      |
| 4                      | SH34/SP34/SS34 | 3                        | 20A        | D/6m      |
| 5                      | SH25/SP25/SS25 | 4                        | 20A        | D/6m      |
| 5                      | SH45/SP45/SS45 | 4                        | 20B        | E/6m      |
| 5                      | SH55/SP55/SS55 | 4                        | 20C        | E/6m      |
| 6                      | SH16/SP16/SS16 | 5                        | 20A        | D/6m      |
| 6                      | SH36/SP36/SS36 | 5                        | 20B        | E/6m      |
| 6                      | SH46/SP46/SS46 | 5                        | 20C        | E/6m      |
| 7                      | SH37/SP37/SS37 | 6                        | 20C        | E/6m      |



# Aluminum cable tray

## Overview

### Features

- Straight side rail design: Extruded I-beam; nominal height 4 in. to 8 in.; loading height 3 in. to 7 in.
- Snap-in splice plate connection
- Reverse position of every other rung for bottom or top mounting of cable ties
- Versatile continuous open slot rungs (strut profile)
- Holes spaced 1 in. designed based on the exclusive Ty-Rap® cable tie slots ( $\frac{5}{8}$  x  $\frac{5}{8}$ )
- Extra wide rung
- Four bolt connection
- Choice of two styles of fitting (U and H) side rails

### Applications

#### Commercial:

- Schools
- Hospitals
- Office buildings
- Airports
- Casinos
- Stadiums

#### Industrial:

- Petrochemical plants
- Automotive plants
- Paper plants
- Food processing
- Power plants
- Refineries
- Manufacturing
- Mining

### Accessories

- Each pair of splice plates comes with  $\frac{3}{8}$  in. mounting hardware
- Complete line of accessories and support systems

### Material

- 6063 aluminum alloy

### Compliance

- CSA, NEMA, NEC, UL

### Load ratings

- 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

# Aluminum cable tray

## Straight lengths



Tray bottom types: ladder, ventilated and solid trough

### Ladder

Extra wide aluminum rungs are welded to extruded aluminum I-beam side rails. Every second rung is reversed to allow for easy top or bottom mounting of cable ties and clamps. All edges and welds are rounded and smooth to prevent cable damage.

### Ventilated\*

A fabricated structure consisting of integral or separate longitudinal rails and a bottom having openings sufficient for the passage of air and utilizing 75% or less of the plan area of the surface to support cables. The maximum open spacings between cable support surfaces of transverse elements do not exceed 102 mm (4 in.) in the direction parallel to the tray side rails (rung edge to rung edge).

### Solid trough\*\*

A fabricated structure consisting of a bottom without ventilation openings within separate longitudinal side rails.

\* For load CSA class C/3M, NEMA 8C or less, please see alternative ventilated series of cable tray called One-Piece found on pages A174 to A207 of the catalogue.

\*\* Fast and easy snap-in splice plates are provided with each straight section.

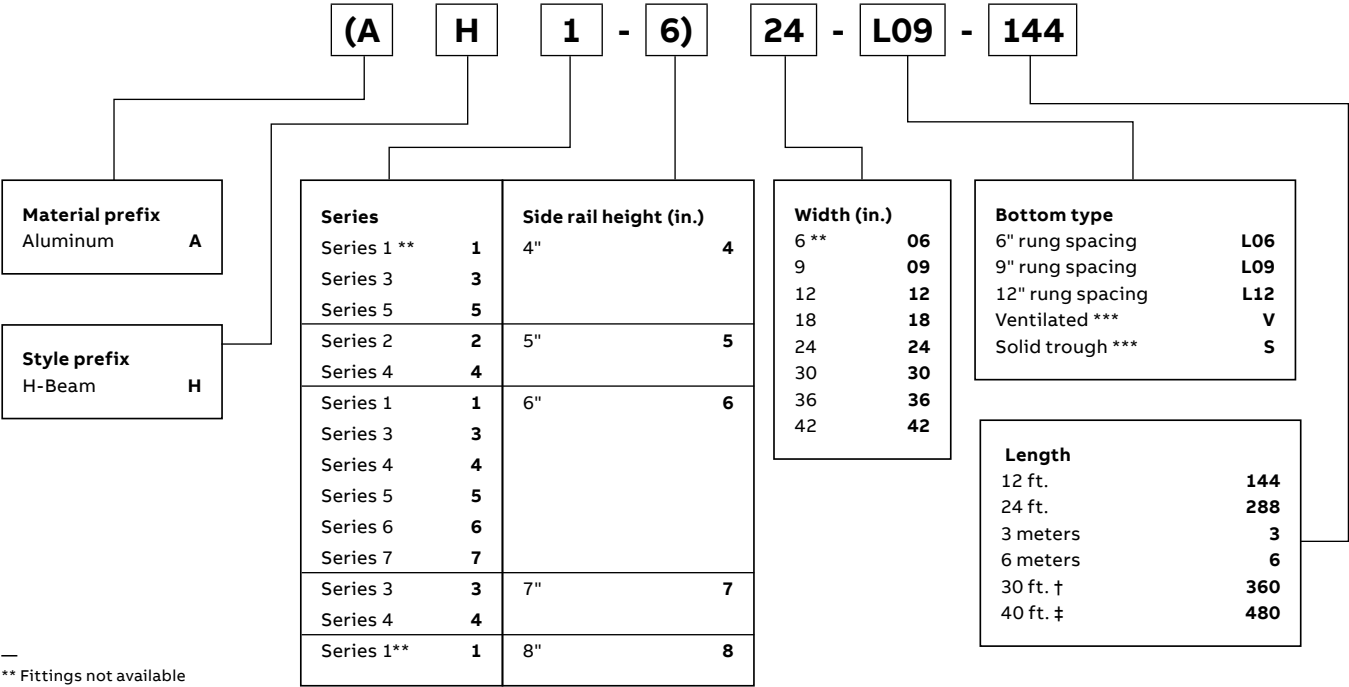
Straight lengths number selection

How to create part numbers

ABB has created a numbering system based on the order of selection criteria. For example, the first selection issue is the environment to which the cable tray will be subjected. This selection will lead to the best material for your application. For complete details on the cable tray selection process, see page A9 in the technical section.

Methods

- 1. Select the material best suited to your environment. Refer to technical section page A9.
- 2. Determine the tray series using the NEMA/CSA load/span designations page A16, and sizing cable tray page A23.
- 3. Select nominal depth and width of tray based on cable loading. See sizing cable tray page A23.
- 4. Select the bottom type based on cables and spacing requirements.
- 5. The last number is the length of the cable tray in meters or inches.



\*\* Fittings not available for 8 in. side rail series 1.

\*\*\* For load CSA Class C/3M, NEMA 8C or less, please see an alternative ventilated series of cable tray called One-Piece found on pages A174 to A207 of this catalogue. Not offered in 40 ft. length.

† For series 76, 47 and 18 only.

‡ Only offered with series 1, 8 in. side rail height, width between 12 to 36 in.

## Aluminum straight lengths

4 in. Straight sections/series 1-4 – Ladder, ventilated and solid trough



### Technical specifications

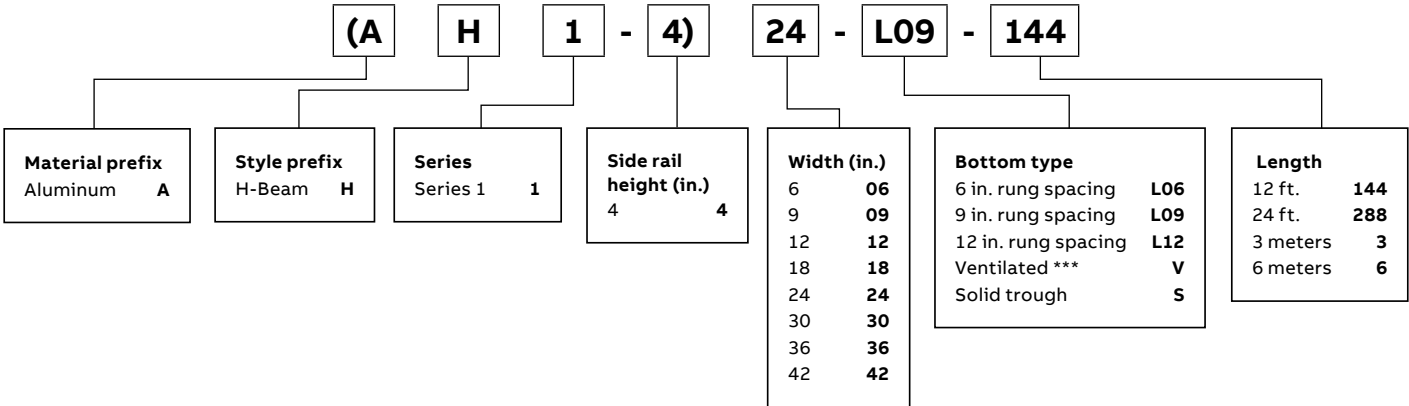
All calculations and data are based on 42 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection can be calculated by multiplying the load by the deflection factor.

4 in. Straight sections/series 1-4 – Ladder, ventilated and solid trough

|        |                   | Support span (feet) |        |        |        |    |    |    |    |
|--------|-------------------|---------------------|--------|--------|--------|----|----|----|----|
| Series |                   | 6                   | 8      | 10     | 12     | 14 | 16 | 18 | 20 |
| AH1-4  | Load (lb)/ft.)    | 300                 | 169    | 108    | 75     | –  | –  | –  | –  |
|        | Deflection (in.)  | 0.339               | 0.602  | 0.94   | 1.354  | –  | –  | –  | –  |
|        | Deflection factor | 0.0011              | 0.0036 | 0.0087 | 0.0181 | –  | –  | –  | –  |

Straight section number selection

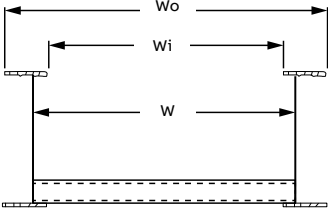


\*\*\* For load CSA class C/3M, NEMA 8C or less, please see an alternative ventilated series of cable tray called One-Piece found on pages A174 to A207 of this catalogue.

For fittings, consult pages A48 to A98.



Dimensions

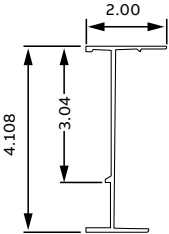
| AH1-4                                                                             |         |          |          |
|-----------------------------------------------------------------------------------|---------|----------|----------|
|                                                                                   | W (in.) | Wo (in.) | Wi (in.) |
|  | 6       | 8.86     | 4.86     |
|                                                                                   | 9       | 11.86    | 7.86     |
|                                                                                   | 12      | 14.86    | 10.86    |
|                                                                                   | 18      | 20.86    | 16.86    |
|                                                                                   | 24      | 26.86    | 22.86    |
|                                                                                   | 30      | 32.86    | 28.86    |
|                                                                                   | 36      | 38.86    | 34.86    |
|                                                                                   | 42      | 44.86    | 40.86    |

Technical specifications

Load ratings: 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

Load ratings: 1.5 safety factor

|       | Series | Side rail design factors 1 pair                                                         | Classifications |      |                                               |
|-------|--------|-----------------------------------------------------------------------------------------|-----------------|------|-----------------------------------------------|
|       |        |                                                                                         | NEMA            | CSA  | UL                                            |
| AH1-4 | AH1-4  | $I_x = 2.58 \text{ in.}^4$<br>$S_x = 1.22 \text{ in.}^3$<br>Area = $0.97 \text{ in.}^2$ | 12B, 8C         | C/3m | UL cross sectional area: $0.60 \text{ in.}^2$ |



Aluminum straight lengths

4 in. Straight sections/series 3-4, 5-4 – Ladder, ventilated and solid trough



Technical specifications

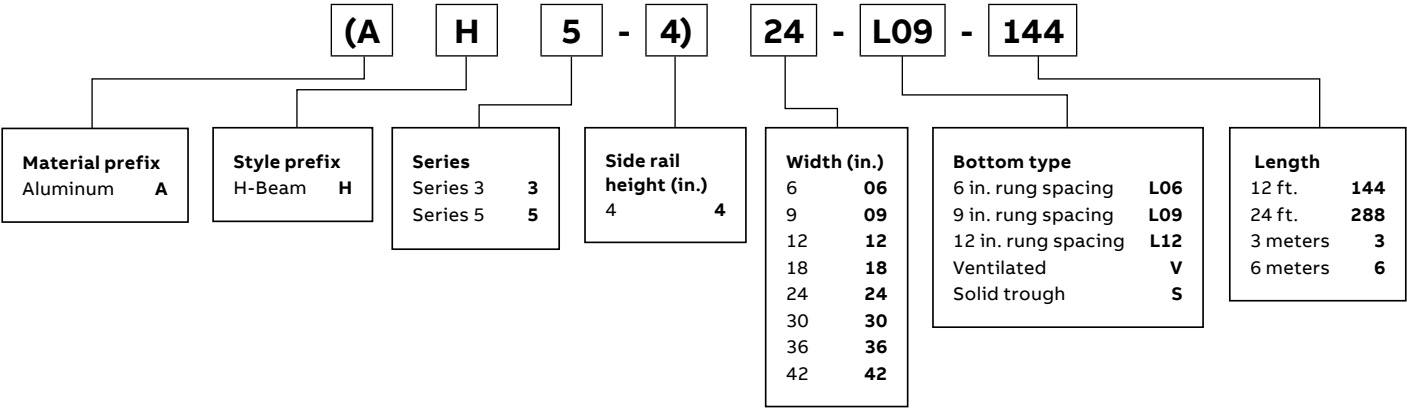
All calculations and data are based on 42 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

4 in. Straight sections/series 3-4, 5-4 – Ladder, ventilated and solid trough

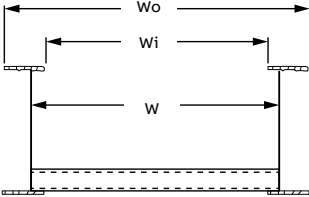
|        |                   | Support span (feet) |        |        |        |        |        |        |        |
|--------|-------------------|---------------------|--------|--------|--------|--------|--------|--------|--------|
| Series |                   | 6                   | 8      | 10     | 12     | 14     | 16     | 18     | 20     |
| AH3-4  | Load (lb)/ft.)    | 567                 | 319    | 204    | 142    | 104    | 80     | 63     | 51     |
|        | Deflection (in.)  | 0.473               | 0.842  | 1.315  | 1.894  | 2.578  | 3.367  | 4.261  | 5.261  |
|        | Deflection factor | 0.0008              | 0.0026 | 0.0064 | 0.0134 | 0.0248 | 0.0423 | 0.0677 | 0.1032 |
| AH5-4  | Load (lb)/ft.)    | 1044                | 588    | 376    | 261    | 192    | 147    | 116    | 94     |
|        | Deflection (in.)  | 0.572               | 1.017  | 1.588  | 2.287  | 3.113  | 4.066  | 5.147  | 6.354  |
|        | Deflection factor | 0.0005              | 0.0017 | 0.0042 | 0.0088 | 0.0162 | 0.0277 | 0.0443 | 0.0676 |

Straight section number selection



For fittings, consult pages A48 to A98.

Dimensions

|                                                                                   | AH3-4   |          |          | AH5-4    |          |
|-----------------------------------------------------------------------------------|---------|----------|----------|----------|----------|
|                                                                                   | W (in.) | Wo (in.) | Wi (in.) | Wo (in.) | Wi (in.) |
|  | 6       | 8.86     | 4.86     | 8.86     | 4.86     |
|                                                                                   | 9       | 11.86    | 7.86     | 11.86    | 7.86     |
|                                                                                   | 12      | 14.86    | 10.86    | 14.86    | 10.86    |
|                                                                                   | 18      | 20.86    | 16.86    | 20.86    | 16.86    |
|                                                                                   | 24      | 26.86    | 22.86    | 26.86    | 22.86    |
|                                                                                   | 30      | 32.86    | 28.86    | 32.86    | 28.86    |
|                                                                                   | 36      | 38.86    | 34.86    | 38.86    | 34.86    |
|                                                                                   | 42      | 44.86    | 40.86    | 44.86    | 40.86    |

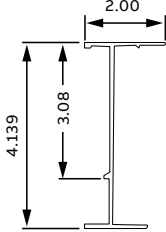
Technical specifications

**Load ratings:** 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

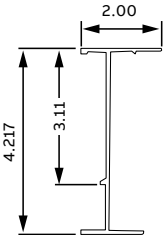
Load ratings: 1.5 safety factor

|       | Series | Side rail design factors 1 pair                                                          | Classifications |      |                                                |
|-------|--------|------------------------------------------------------------------------------------------|-----------------|------|------------------------------------------------|
|       |        |                                                                                          | NEMA            | CSA  | UL                                             |
| AH3-4 | AH3-4  | Ix = 3.49 in. <sup>4</sup><br>Sx = 1.64 in. <sup>3</sup><br>Area = 1.28 in. <sup>2</sup> | 12C, 16B        | D/6m | UL cross sectional area: 1.00 in. <sup>2</sup> |
|       | AH5-4  | Ix = 5.33 in. <sup>4</sup><br>Sx = 2.36 in. <sup>3</sup><br>Area = 1.93 in. <sup>2</sup> | 20B, 16C        | E/6m | UL cross sectional area: 1.50 in. <sup>2</sup> |

AH3-4



AH5-4



Aluminum straight lengths

5 in. Straight sections/series 2-5, 4-5 – Ladder, ventilated and solid trough



Technical specifications

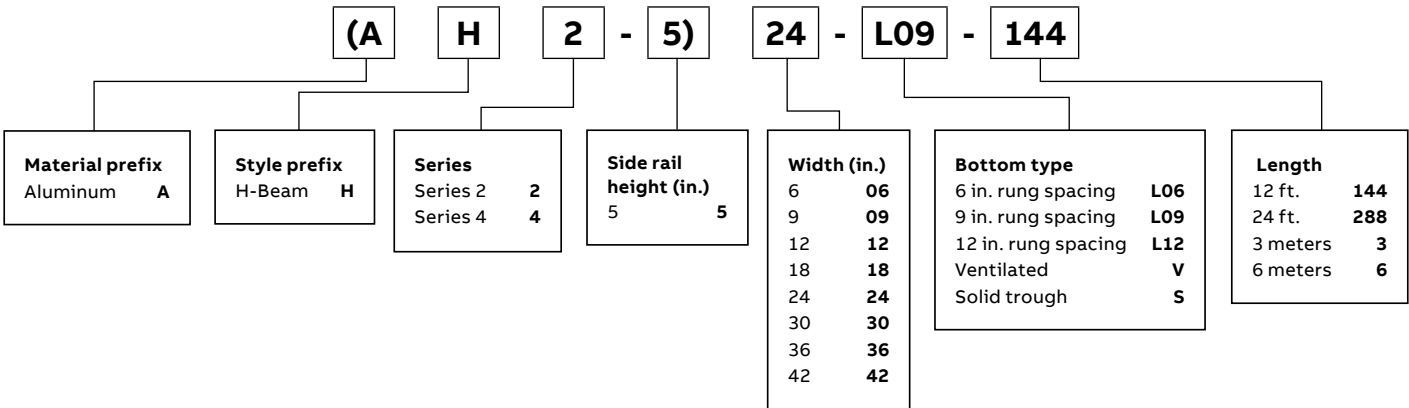
All calculations and data are based on 42 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

4 in. Straight sections/series 3-4, 5-4 – Ladder, ventilated and solid trough

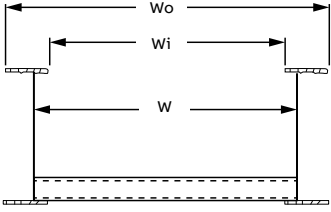
|        |                   | Support span (feet) |        |        |        |        |        |        |        |
|--------|-------------------|---------------------|--------|--------|--------|--------|--------|--------|--------|
| Series |                   | 6                   | 8      | 10     | 12     | 14     | 16     | 18     | 20     |
| AH2-5  | Load (lb)/ft.)    | 556                 | 313    | 200    | 139    | 102    | 78     | 62     | 50     |
|        | Deflection (in.)  | 0.302               | 0.536  | 0.838  | 1.206  | 1.642  | 2.144  | 2.714  | 3.351  |
|        | Deflection factor | 0.0005              | 0.0017 | 0.0042 | 0.0087 | 0.0161 | 0.0274 | 0.0440 | 0.0670 |
| AH4-5  | Load (lb)/ft.)    | 900                 | 506    | 324    | 225    | 165    | 127    | 100    | 81     |
|        | Deflection (in.)  | 0.340               | 0.604  | 0.944  | 1.359  | 1.849  | 2.416  | 3.057  | 3.774  |
|        | Deflection factor | 0.0004              | 0.0012 | 0.0029 | 0.0060 | 0.0112 | 0.0191 | 0.0306 | 0.0466 |

Straight section number selection



For fittings, consult pages A48 to A98.

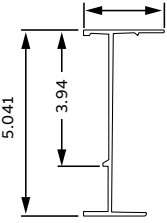
## Dimensions

|                                                                                   | AH2-5   |          | AH4-5    |          |
|-----------------------------------------------------------------------------------|---------|----------|----------|----------|
|                                                                                   | W (in.) | Wo (in.) | Wi (in.) | Wo (in.) |
|  | 6       | 8.86     | 4.86     | 8.86     |
|                                                                                   | 9       | 11.86    | 7.86     | 11.86    |
|                                                                                   | 12      | 14.86    | 10.86    | 14.86    |
|                                                                                   | 18      | 20.86    | 16.86    | 20.86    |
|                                                                                   | 24      | 26.86    | 22.86    | 26.86    |
|                                                                                   | 30      | 32.86    | 28.86    | 32.86    |
|                                                                                   | 36      | 38.86    | 34.86    | 38.86    |
|                                                                                   | 42      | 44.86    | 40.86    | 44.86    |

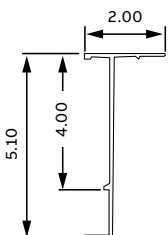
## Technical specifications

**Load ratings:** 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

## Load ratings: 1.5 safety factor

|                                                                                              | Series | Side rail design factors 1 pair                                                         | Classifications |      |                                               |
|----------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------|-----------------|------|-----------------------------------------------|
|                                                                                              |        |                                                                                         | NEMA            | CSA  | UL                                            |
| AH2-5<br> | AH2-5  | $I_x = 5.37 \text{ in.}^4$<br>$S_x = 2.02 \text{ in.}^3$<br>Area = $1.39 \text{ in.}^2$ | 12C, 16A        | D/6m | UL cross sectional area: $1.00 \text{ in.}^2$ |
|                                                                                              | AH4-5  | $I_x = 7.73 \text{ in.}^4$<br>$S_x = 2.92 \text{ in.}^3$<br>Area = $1.94 \text{ in.}^2$ | 20B             | E/6m | UL cross sectional area: $1.50 \text{ in.}^2$ |

## AH4-5



## Aluminum straight lengths

6 in. Straight sections/series 1-6, 3-6 – Ladder, ventilated and solid trough



### Technical specifications

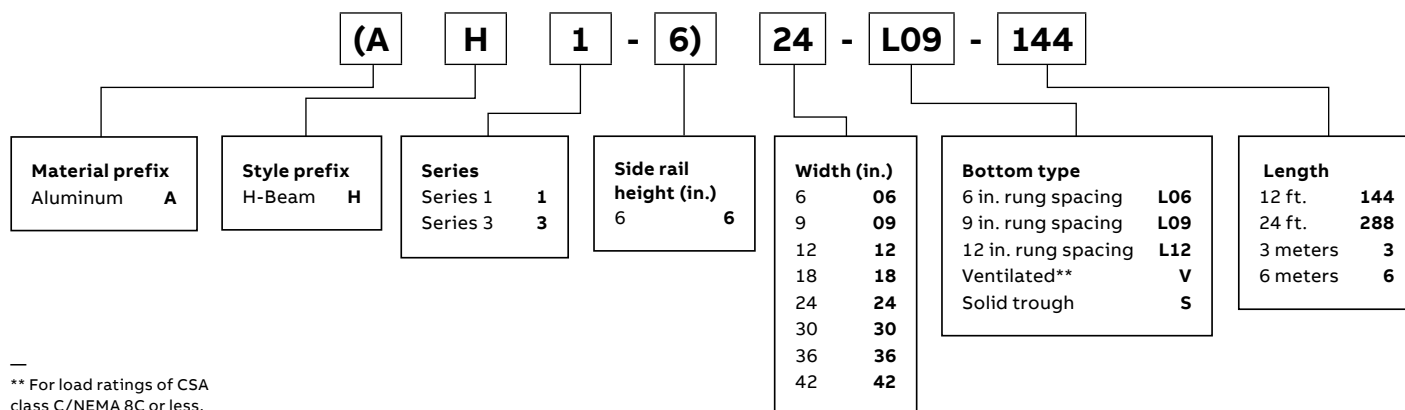
All calculations and data are based on 36 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

6 in. Straight sections/series 1-6, 3-6 – Ladder, ventilated and solid trough

|        |                   | Support span (feet) |        |        |        |        |        |        |        |
|--------|-------------------|---------------------|--------|--------|--------|--------|--------|--------|--------|
| Series |                   | 6                   | 8      | 10     | 12     | 14     | 16     | 18     | 20     |
| AH1-6  | Load (lb)/ft.)    | 567                 | 319    | 204    | 142    | 104    | 80     | 63     | 51     |
|        | Deflection (in.)  | 0.190               | 0.338  | 0.527  | 0.760  | 1.034  | 1.350  | 1.709  | 2.110  |
|        | Deflection factor | 0.0003              | 0.0011 | 0.0026 | 0.0054 | 0.0099 | 0.0169 | 0.0271 | 0.0414 |
| AH3-6  | Load (lb)/ft.)    | 889                 | 500    | 320    | 222    | 163    | 125    | 99     | 80     |
|        | Deflection (in.)  | 0.203               | 0.360  | 0.563  | 0.810  | 1.103  | 1.440  | 1.823  | 2.250  |
|        | Deflection factor | 0.0002              | 0.0007 | 0.0018 | 0.0036 | 0.0068 | 0.0115 | 0.0185 | 0.0281 |

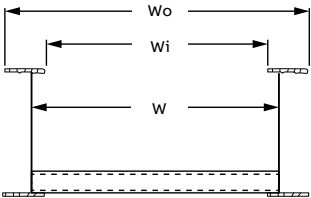
### Straight section number selection



\*\* For load ratings of CSA class C/NEMA 8C or less, please see an alternative ventilated series of cable tray called One-Piece found on pages A174 to A207 of this catalogue.

For fittings, consult pages A48 to A98.

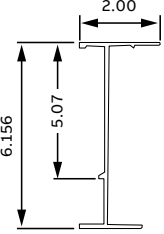
## Dimensions

|                                                                                   | AH1-6   |          | AH3-6    |          |
|-----------------------------------------------------------------------------------|---------|----------|----------|----------|
|                                                                                   | W (in.) | Wo (in.) | Wi (in.) | Wo (in.) |
|  | 6       | 8.86     | 4.86     | 8.86     |
|                                                                                   | 9       | 11.86    | 7.86     | 11.86    |
|                                                                                   | 12      | 14.86    | 10.86    | 14.86    |
|                                                                                   | 18      | 20.86    | 16.86    | 20.86    |
|                                                                                   | 24      | 26.86    | 22.86    | 26.86    |
|                                                                                   | 30      | 32.86    | 28.86    | 32.86    |
|                                                                                   | 36      | 38.86    | 34.86    | 38.86    |
|                                                                                   | 42      | 44.86    | 40.86    | 44.86    |

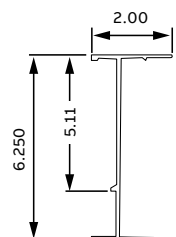
## Technical specifications

**Load ratings:** 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

## Load ratings: 1.5 safety factor

|                                                                                              | Series | Side rail design factors 1 pair                                                         | Classifications |      |                                               |
|----------------------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------|-----------------|------|-----------------------------------------------|
|                                                                                              |        |                                                                                         | NEMA            | CSA  | UL                                            |
| AH1-6<br> | AH1-6  | $I_x = 8.7 \text{ in.}^4$<br>$S_x = 2.71 \text{ in.}^3$<br>Area = $1.55 \text{ in.}^2$  | 12C, 16A        | D/6m | UL cross sectional area: $1.00 \text{ in.}^2$ |
|                                                                                              | AH3-6  | $I_x = 12.8 \text{ in.}^4$<br>$S_x = 3.77 \text{ in.}^3$<br>Area = $2.07 \text{ in.}^2$ | 20B             | E/6m | UL cross sectional area: $2.00 \text{ in.}^2$ |

AH3-6



Aluminum straight lengths

6 in. Straight sections/series 4-6, 5-6, 6-6, 7-6 – Ladder, ventilated and solid trough



Technical specifications

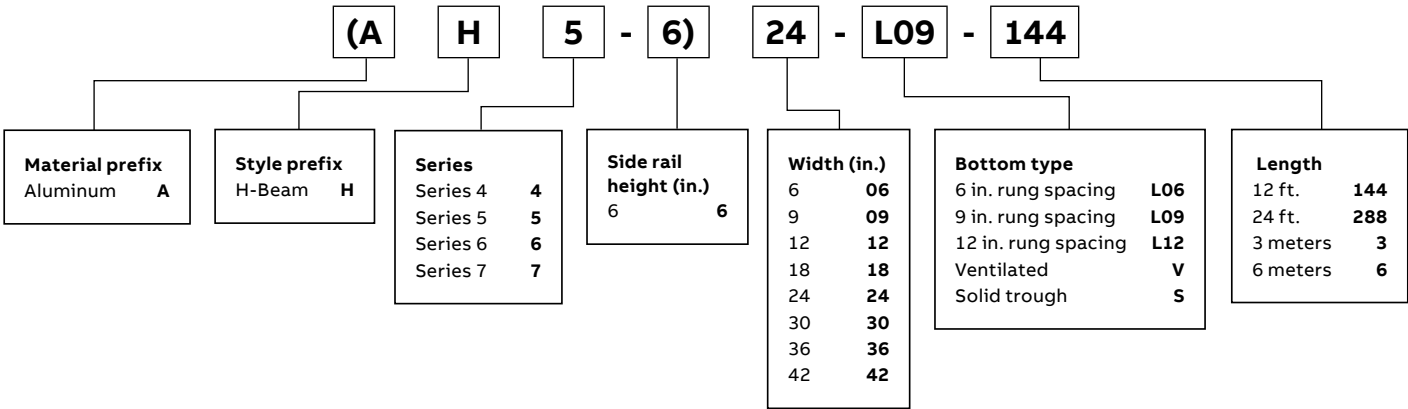
All calculations and data are based on 42 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

6 in. Straight sections/series 1-6, 3-6 – Ladder, ventilated and solid trough

|        |                   | Support span (feet) |        |        |        |        |        |        |        |        |        |        |        |        |
|--------|-------------------|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Series |                   | 6                   | 8      | 10     | 12     | 14     | 16     | 18     | 20     | 22     | 24     | 26     | 28     | 30     |
| AH4-6  | Load (lb)/ft.)    | 1111                | 625    | 400    | 278    | 204    | 156    | 123    | 100    | –      | –      | –      | –      | –      |
|        | Deflection (in.)  | 0.235               | 0.418  | 0.653  | 0.940  | 1.280  | 1.672  | 2.115  | 2.612  | –      | –      | –      | –      | –      |
|        | Deflection factor | 0.0002              | 0.0007 | 0.0016 | 0.0034 | 0.0063 | 0.0107 | 0.0171 | 0.0261 | –      | –      | –      | –      | –      |
| AH5-6  | Load (lb)/ft.)    | –                   | 750    | 480    | 333    | 245    | 188    | 148    | 120    | –      | –      | –      | –      | –      |
|        | Deflection (in.)  | –                   | 0.441  | 0.690  | 0.993  | 1.352  | 1.766  | 2.234  | 2.759  | –      | –      | –      | –      | –      |
|        | Deflection factor | –                   | 0.0006 | 0.0014 | 0.0030 | 0.0055 | 0.0094 | 0.0151 | 0.0230 | –      | –      | –      | –      | –      |
| AH6-6  | Load (lb)/ft.)    | –                   | 1031   | 660    | 458    | 337    | 258    | 204    | 165    | 126    | 106    | 91     | 78     | 68     |
|        | Deflection (in.)  | –                   | 0.504  | 0.788  | 1.134  | 1.544  | 2.016  | 2.552  | 3.151  | 3.536  | 4.208  | 4.938  | 5.727  | 6.575  |
|        | Deflection factor | –                   | 0.0005 | 0.0012 | 0.0025 | 0.0046 | 0.0078 | 0.0125 | 0.0191 | 0.0280 | 0.0396 | 0.0545 | 0.0734 | 0.0967 |
| AH7-6  | Load (lb)/ft.)    | –                   | 1153   | 738    | 513    | 377    | 288    | 228    | 185    | 152    | 128    | 109    | 94     | 82     |
|        | Deflection (in.)  | –                   | 0.484  | 0.756  | 1.089  | 1.482  | 1.936  | 2.451  | 3.025  | 3.661  | 4.537  | 5.113  | 5.930  | 6.807  |
|        | Deflection factor | –                   | 0.0004 | 0.0010 | 0.0021 | 0.0039 | 0.0067 | 0.0108 | 0.0164 | 0.0240 | 0.0340 | 0.0468 | 0.0630 | 0.0830 |

Straight section number selection



For fittings, consult pages A48 to A98.

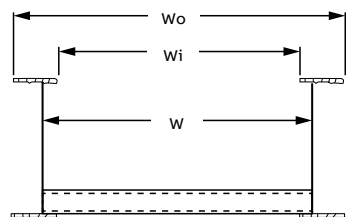


## Dimensions

|    | AH4-6   |          | AH5-6    |          |
|----|---------|----------|----------|----------|
|    | W (in.) | Wo (in.) | Wi (in.) | Wo (in.) |
| 6  |         | 8.86     | 4.86     | 8.86     |
| 9  |         | 11.86    | 7.86     | 11.86    |
| 12 |         | 14.86    | 10.86    | 14.86    |
| 18 |         | 20.86    | 16.86    | 20.86    |
| 24 |         | 26.86    | 22.86    | 26.86    |
| 30 |         | 32.86    | 28.86    | 32.86    |
| 36 |         | 38.86    | 34.86    | 38.86    |
| 42 |         | 44.86    | 40.86    | 44.86    |

|    | AH6-6   |          | AH7-6    |          |
|----|---------|----------|----------|----------|
|    | W (in.) | Wo (in.) | Wi (in.) | Wo (in.) |
| 6  |         | 8.86     | 4.86     | 8.86     |
| 9  |         | 11.86    | 7.86     | 11.86    |
| 12 |         | 14.86    | 10.86    | 14.86    |
| 18 |         | 20.86    | 16.86    | 20.86    |
| 24 |         | 26.86    | 22.86    | 26.86    |
| 30 |         | 32.86    | 28.86    | 32.86    |
| 36 |         | 38.86    | 34.86    | 38.86    |
| 42 |         | 44.86    | 40.86    | 44.86    |



## Technical specifications

**Load ratings:** 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

## Load ratings: 1.5 safety factor

|       |       | Series | Side rail design factors 1 pair                                                          | Classifications |              |                                               |
|-------|-------|--------|------------------------------------------------------------------------------------------|-----------------|--------------|-----------------------------------------------|
|       |       |        |                                                                                          | NEMA            | CSA          | UL                                            |
| AH4-6 | AH5-6 | AH4-6  | $I_x = 13.78 \text{ in.}^4$<br>$S_x = 4.05 \text{ in.}^3$<br>Area = $2.32 \text{ in.}^2$ | 20C             | Exceeds E/6m | UL cross sectional area: $2.00 \text{ in.}^2$ |
|       |       | AH5-6  | $I_x = 15.66 \text{ in.}^4$<br>$S_x = 4.64 \text{ in.}^3$<br>Area = $2.67 \text{ in.}^2$ | Exceeds 20C     | Exceeds E/6m | UL cross sectional area: $2.00 \text{ in.}^2$ |
|       |       | AH6-6  | $I_x = 18.85 \text{ in.}^4$<br>$S_x = 5.53 \text{ in.}^3$<br>Area = $3.26 \text{ in.}^2$ | Exceeds 20C     | Exceeds E/6m | UL cross sectional area: $2.00 \text{ in.}^2$ |
|       |       | AH7-6  | $I_x = 21.95 \text{ in.}^4$<br>$S_x = 6.32 \text{ in.}^3$<br>Area = $3.82 \text{ in.}^2$ | Exceeds 20C     | Exceeds E/6m | UL cross sectional area: $2.00 \text{ in.}^2$ |

AH4-6

AH5-6

AH6-6

AH7-6

2.00

5.12

6.258

2.00

5.14

6.280

2.00

5.13

6.328

2.00

5.175

6.395

## Aluminum straight lengths

7 in. and 8 in. Straight sections/series 3-7, 4-7, 1-8 – Ladder, ventilated and solid trough



### Technical specifications

All calculations and data for AH3-7 and AH4-7 series are based on 42" wide cable tray with rungs spaced on 12" centers with tray supported as simple spans with deflection measured at the midpoint.

All calculations and data for AH1-8 series are based on cable tray with rungs spaced on 12" centers with tray supported as simple spans with deflection measured at the midpoint.

Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

### 7 in. Straight sections/series 3-7, 4-7, ventilated and solid trough

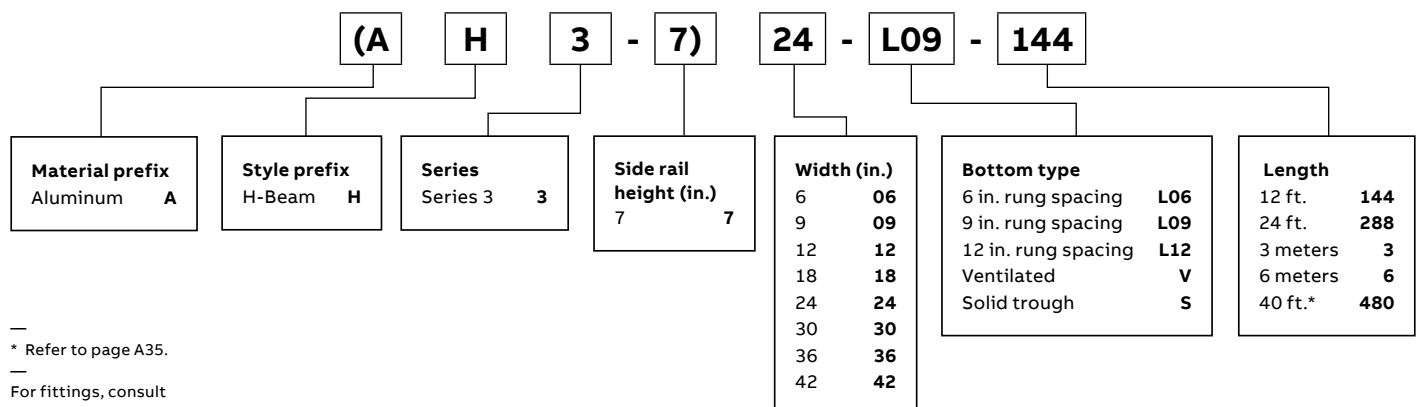
|        |                   | Support span (feet) |        |        |        |        |        |        |        |        |        |        |        |        |
|--------|-------------------|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Series |                   | 6                   | 8      | 10     | 12     | 14     | 16     | 18     | 20     | 22     | 24     | 26     | 28     | 30     |
| AH3-7  | Load (lb)/ft.)    | –                   | 925    | 592    | 411    | 302    | 231    | 183    | 148    | 97     | 81     | –      | –      | –      |
|        | Deflection (in.)  | –                   | 0.335  | 0.524  | 0.755  | 1.027  | 1.342  | 1.698  | 2.097  | 2.009  | 2.391  | –      | –      | –      |
|        | Deflection factor | –                   | 0.0004 | 0.0009 | 0.0018 | 0.0034 | 0.0058 | 0.0093 | 0.0142 | 0.0208 | 0.0294 | –      | –      | –      |
| AH4-7  | Load (lb)/ft.)    | –                   | –      | 909    | 631    | 464    | 355    | 281    | 227    | 188    | 158    | 134    | 116    | 101    |
|        | Deflection (in.)  | –                   | –      | 0.556  | 0.800  | 1.089  | 1.422  | 1.800  | 2.222  | 2.689  | 3.200  | 3.756  | 4.356  | 5.000  |
|        | Deflection factor | –                   | –      | 0.0006 | 0.0013 | 0.0023 | 0.0040 | 0.0064 | 0.0098 | 0.0143 | 0.0203 | 0.0279 | 0.0376 | 0.0495 |

### 8 in. Straight sections/series 1-8 – Ladder trough

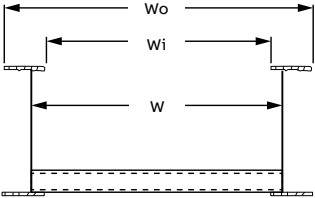
|        |                   | Support span (ft.) |        |       |        |        |        |        |        |        |        |        |        |
|--------|-------------------|--------------------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Series |                   | 18                 | 20     | 22    | 24     | 26     | 28     | 30     | 32     | 34     | 36     | 38     | 40     |
| AH1-8  | Load (lb)/ft.)    | 528                | 428    | 353   | 297    | 253    | 218    | 190    | 167    | 148    | 132    | 118    | 112    |
|        | Deflection (in.)  | 2.136              | 2.637  | 3.191 | 3.797  | 4.457  | 5.169  | 5.933  | 6.751  | 7.625  | 8.548  | 9.486  | 11.054 |
|        | Deflection factor | 0.004              | 0.0062 | 0.009 | 0.0128 | 0.0176 | 0.0237 | 0.0312 | 0.0404 | 0.0515 | 0.0648 | 0.0804 | 0.0987 |

For detailed width load testing, please refer to <http://tnb.ca/en/pdf-catalogues/cable-tray-systems/technical-bulletin/>.

### Straight section number selection



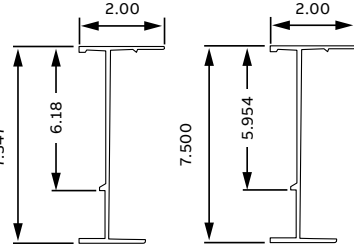
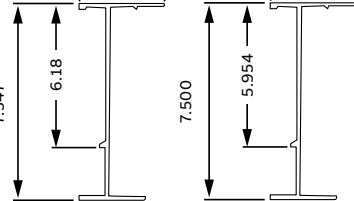
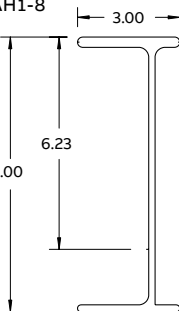
## Dimensions

|                                                                                   | AH3-7   |          |          | AH4-7    |          | AH1-8    |          |
|-----------------------------------------------------------------------------------|---------|----------|----------|----------|----------|----------|----------|
|                                                                                   | W (in.) | Wo (in.) | Wi (in.) | Wo (in.) | Wi (in.) | Wo (in.) | Wi (in.) |
|  | 6       | 8.86     | 4.86     | 8.86     | 4.86     | 7.82     | 1.82     |
|                                                                                   | 9       | 11.86    | 7.86     | 11.86    | 7.86     | 10.82    | 4.82     |
|                                                                                   | 12      | 14.86    | 10.86    | 14.86    | 10.86    | 13.82    | 7.82     |
|                                                                                   | 18      | 20.86    | 16.86    | 20.86    | 16.86    | 19.82    | 13.82    |
|                                                                                   | 24      | 26.86    | 22.86    | 26.86    | 22.86    | 25.82    | 19.82    |
|                                                                                   | 30      | 32.86    | 28.86    | 32.86    | 28.86    | 31.82    | 25.82    |
|                                                                                   | 36      | 38.86    | 34.86    | 38.86    | 34.86    | 37.82    | 31.82    |
|                                                                                   | 42      | 44.86    | 40.86    | 44.86    | 40.86    | 43.82    | 37.82    |

## Technical specifications

**Load ratings:** 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

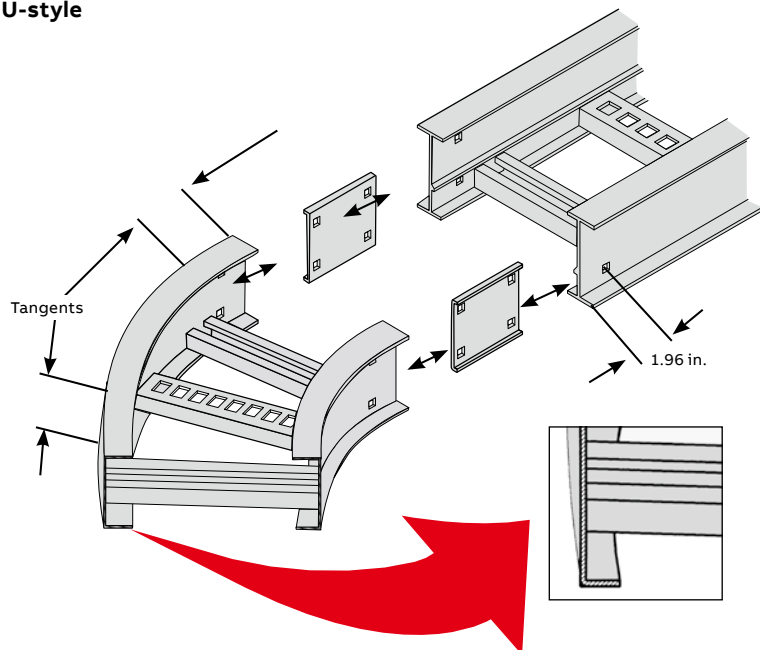
## Load ratings: 1.5 safety factor

|       |                                                                                     | Series | Side rail design<br>factors 1 pair                                                        | Classifications |                 |                                                     |
|-------|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|-----------------|-----------------|-----------------------------------------------------|
|       |                                                                                     |        |                                                                                           | NEMA            | CSA             | UL                                                  |
| AH3-7 |  | AH3-7  | $I_x = 25.41 \text{ in.}^4$<br>$S_x = 6.46 \text{ in.}^3$<br>Area = $3.29 \text{ in.}^2$  | Exceeds<br>20C  | Exceeds<br>E/6m | UL cross<br>sectional area:<br>$2.00 \text{ in.}^2$ |
| AH4-7 |  | AH4-7  | $I_x = 36.81 \text{ in.}^4$<br>$S_x = 9.08 \text{ in.}^3$<br>Area = $4.63 \text{ in.}^2$  | Exceeds<br>20C  | Exceeds<br>E/6m | UL cross<br>sectional area:<br>$2.00 \text{ in.}^2$ |
| AH1-8 |  | AH1-8  | $I_x = 58.36 \text{ in.}^4$<br>$S_x = 13.37 \text{ in.}^3$<br>Area = $5.86 \text{ in.}^2$ | Exceeds<br>20C  | Exceeds<br>E/6m | UL cross<br>sectional area:<br>$2.00 \text{ in.}^2$ |

# Aluminum cable tray

## Fittings – Explaining the fitting styles

### U-style



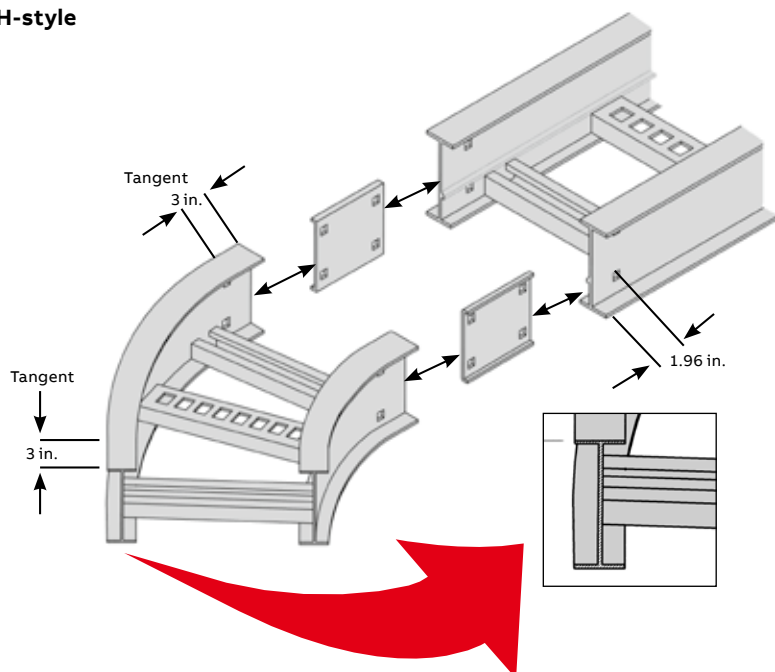
### U-style

U-style fittings constructed with side rail flanges on the inside only (U-beam)\*

#### Features and benefits

- U-style and H-style are interchangeable
- Lowest purchase price
- Easy to install
- Occupies less space in areas where space is restrained
- Easy-to-align straights
- Splice plate holds components together while hardware is inserted
- Lighter fittings are easy to handle
- Functional design
- Tangents on fittings
- 7 in. length snap-in splice plate

### H-style



### H-style

H-style fittings constructed with side rail having inner and outer flanges (H-beam).\*

#### Features and benefits

- Improved system rigidity
- Improved aesthetics and customer appeal
- Easy to install
- Easy to align straights and fittings
- Splice plate holds components together while hardware is inserted
- Premium design
- 3 in. tangents on fittings
- 7 in. length snap-in splice plate

\* T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

Horizontal fittings selection

The U-style and H-style systems are interchangeable.

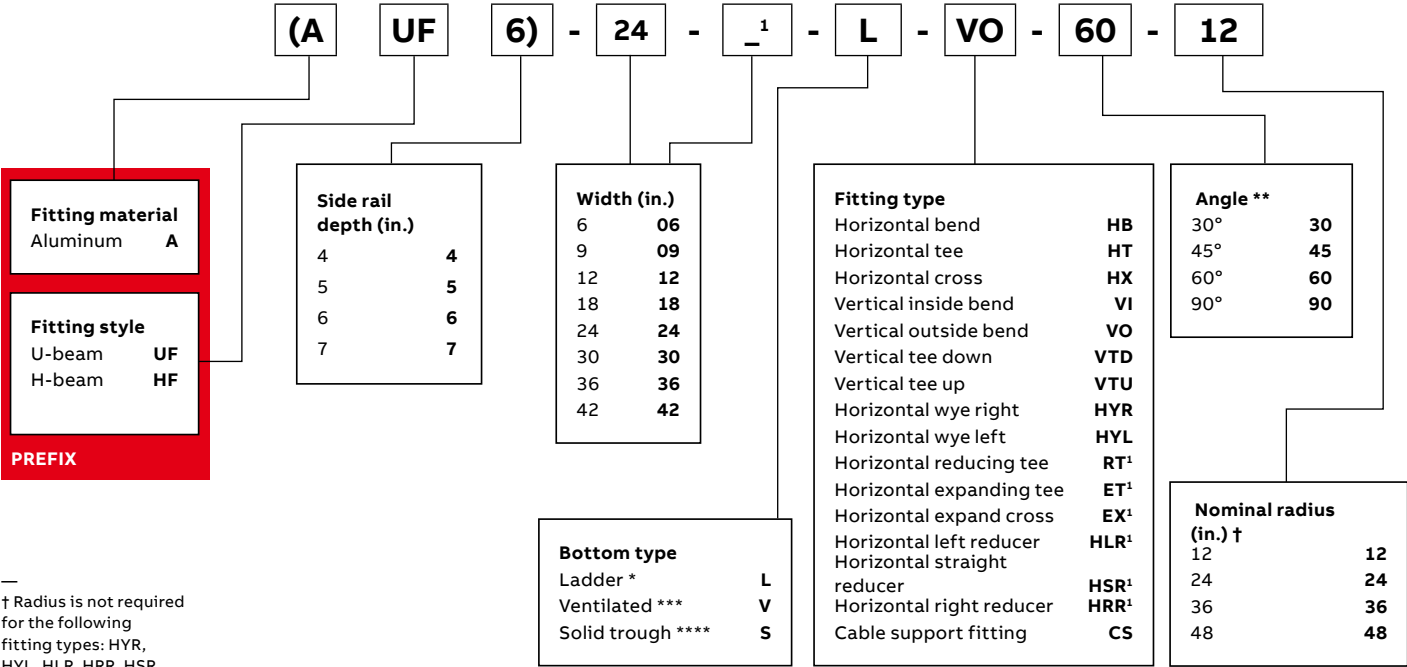
Fittings in a cable tray system are required to change cable routing direction and to join straight sections and other fittings. This step of the cable tray selection process requires that the specifier chooses between two distinct styles, U and H.

H-style fitting

- An H-shaped extrusion forms the fitting side rail.
- H-style fittings utilize a 7 in. splice plate and have 3 in. tangents at the extremities.
- This style offers enhanced aesthetics to the end-user and increased system rigidity.

U-style fitting

- A U-shaped extrusion forms the fitting side rail.
- U-style fittings utilize a 7 in. splice plate and have tangents at the extremities.
- This style offers maximum quality versus cost ratios of the installation.



† Radius is not required for the following fitting types: HYR, HYL, HLR, HRR, HSR

\* Manufactured with 9 in. rung spacing measured at the center line of fitting.

\*\* Angle is required for HB, VI, VO only.

\*\*\* Manufactured with 4 in. edge-to-edge rung spacing measured at the center line of fitting.

\*\*\*\* Manufactured with flat sheet inserted under rungs with 9 in. rung spacing measured at the center line of fitting.

<sup>1</sup> A second width is required.

Aluminum horizontal fittings

U- and H-style horizontal fittings selection guide – Bends

- 01 U-style  
90° Horizontal bend  
Page A60
  - 02 U-style  
60° Horizontal bend  
Page A61
  - 03 U-style  
45° Horizontal bend  
Page A64
  - 04 U-style  
30° Horizontal bend  
Page A65
  - 05 H-style  
90° Horizontal bend  
Page A62
  - 06 H-style  
60° Horizontal bend  
Page A63
  - 07 H-style  
45° Horizontal bend  
Page A66
  - 08 H-style  
30° Horizontal bend  
Page A67
- T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.



01



05



02



06



03



07



04



08

**H** = H-style  
**U** = U-style

## Aluminum horizontal fittings

U- and H-style horizontal fittings selection guide – Tees and crosses

### 01 U-style

Tee  
Page A68

### 02 U-style

Cross  
Page A69

### 03 U-style

Horizontal reducing tee  
Page A72

### 04 H-style

Tee  
Page A70

### 05 H-style

Cross  
Page A71

### 06 H-style

Horizontal reducing tee  
Page A713

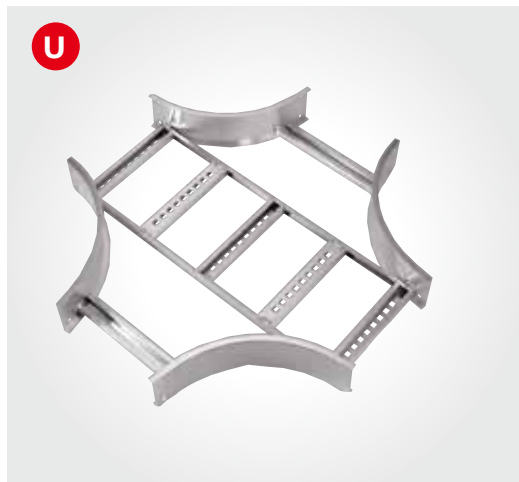
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.



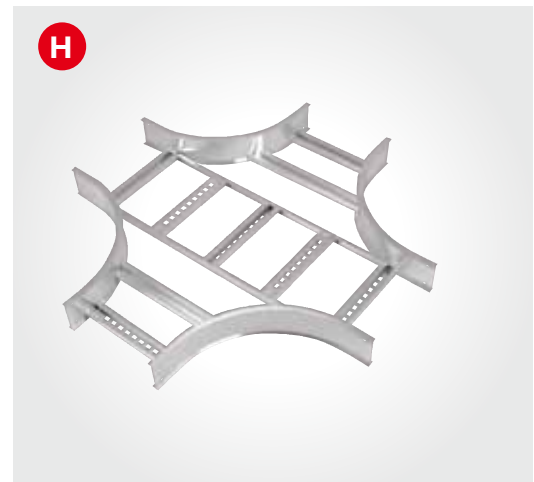
01



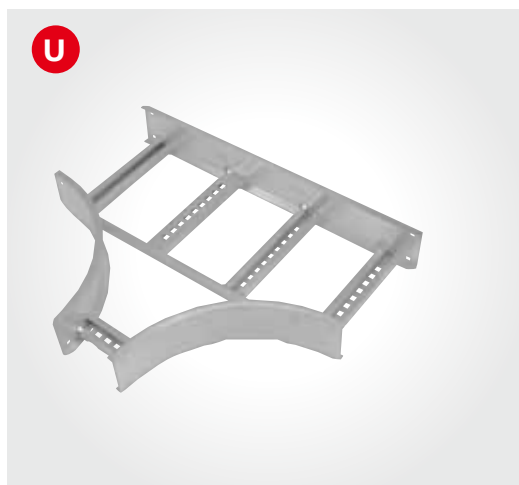
04



02



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06

**H** = H-style

**U** = U-style

Aluminum horizontal fittings

U- and H-style horizontal fittings selection guide – Tees and crosses (continued)

01 **U-style**  
Horizontal  
expanding tee  
Page A74

02 **U-style**  
Horizontal  
expanding cross  
Page A76

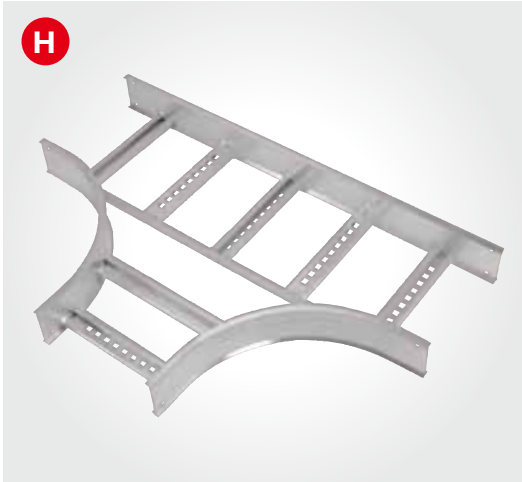
03 **H-style**  
Horizontal  
expanding tee  
Page A75

04 **H-style**  
Horizontal  
expanding cross  
Page A77

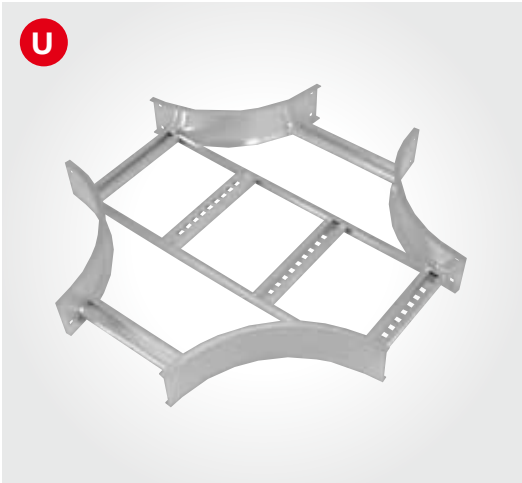
T&B aluminum cable  
tray is composed of  
two distinct systems,  
H-style and U-style.  
These systems are  
interchangeable.



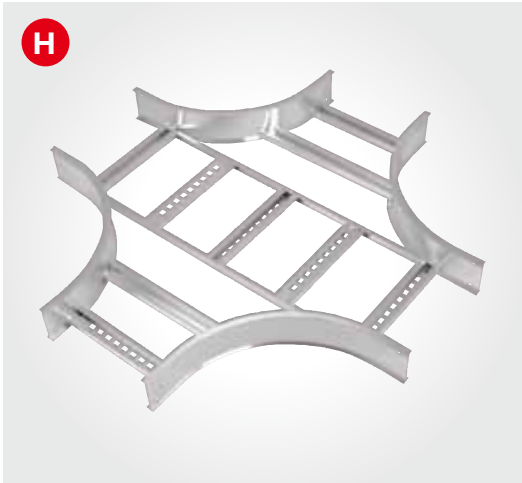
01



03



02



04

**H** = H-style

**U** = U-style



## Aluminum vertical fittings

### U- and H-style vertical fittings selection guide – Reducers and wyes

01 **U-style**  
Offset reducer right  
Page A78



01

02 **U-style**  
Reducer straight  
Page A78



02

03 **U-style**  
Offset reducer left  
Page A78



03

04 **H-style**  
Offset reducer right  
Page A80



04

05 **H-style**  
Reducer straight  
Page A80



05

06 **H-style**  
Offset reducer left  
Page A80



06

07 **U-style**  
Left-hand wye  
Page A82



07

08 **U-style**  
Right-hand wye  
Page A82



08

09 **H-style**  
Left-hand wye  
Page A83



09

10 **H-style**  
Right-hand wye  
Page A83



10

T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

**H** = H-style

**U** = U-style

Aluminum vertical fittings

U- and H-style vertical fittings selection guide – Bends

- 01 U-style  
90° Outside bend  
Page A84
  - 02 U-style  
90° Inside bend  
Page A84
  - 03 U-style  
60° Outside bend  
Page A86
  - 04 U-style  
60° Inside bend  
Page A86
  - 05 H-style  
90° Outside bend  
Page A85
  - 06 H-style  
90° Inside bend  
Page A85
  - 07 H-style  
60° Outside bend  
Page A87
  - 08 H-style  
60° Inside bend  
Page A87
- T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.



01



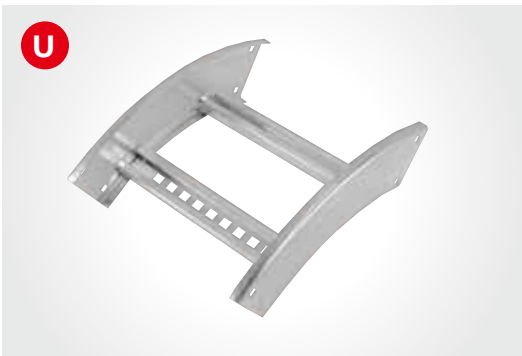
05



02



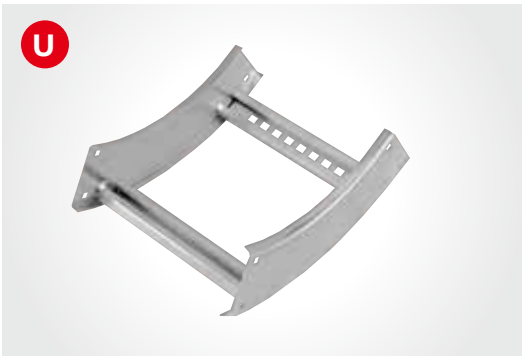
06



03



07



04



08

**H** = H-style  
**U** = U-style

—  
**09 U-style**  
 45° Outside bend  
 Page A88

—  
**10 U-style**  
 45° Inside bend  
 Page A88

—  
**11 U-style**  
 30° Outside bend  
 Page A90

—  
**12 U-style**  
 30° Inside bend  
 Page A90

—  
**13 H-style**  
 45° Outside bend  
 Page A89

—  
**14 H-style**  
 45° Inside bend  
 Page A89

—  
**15 H-style**  
 30° Outside bend  
 Page A91

—  
**16 H-style**  
 30° Inside bend  
 Page A91

—  
 T&B aluminum cable  
 tray is composed  
 of two distinct systems,  
 H-style and U-style.  
 These systems are  
 interchangeable.



09



13



10



14



11



15



12



16

**H** = H-style

**U** = U-style

—

# Aluminum vertical fittings

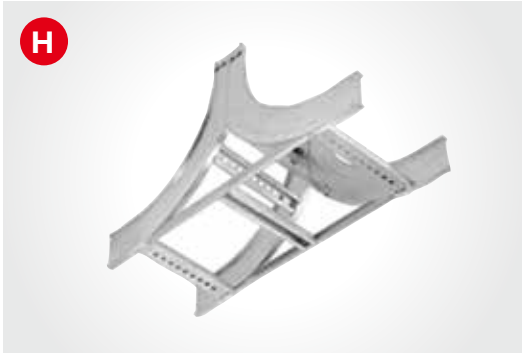
U- and H-style vertical fittings selection guide – Tees up/down

- 
- 01 **U-style**  
Vertical tee up  
Page A92
- 
- 02 **U-style**  
Vertical tee down  
Page A92
- 
- 03 **H-style**  
Vertical tee up  
Page A93
- 
- 04 **H-style**  
Vertical tee down  
Page A93
- 
- T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.



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01



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06

**H** = H-style

**U** = U-style

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## Aluminum vertical fittings

### U- and H-style vertical fittings selection guide – Cable supports

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**01 U-style**  
Cable support  
Page A94

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**02 H-style**  
Cable support  
Page A95

---

T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.



**H** = H-style

**U** = U-style

# Aluminum fittings

## Flexible coupler

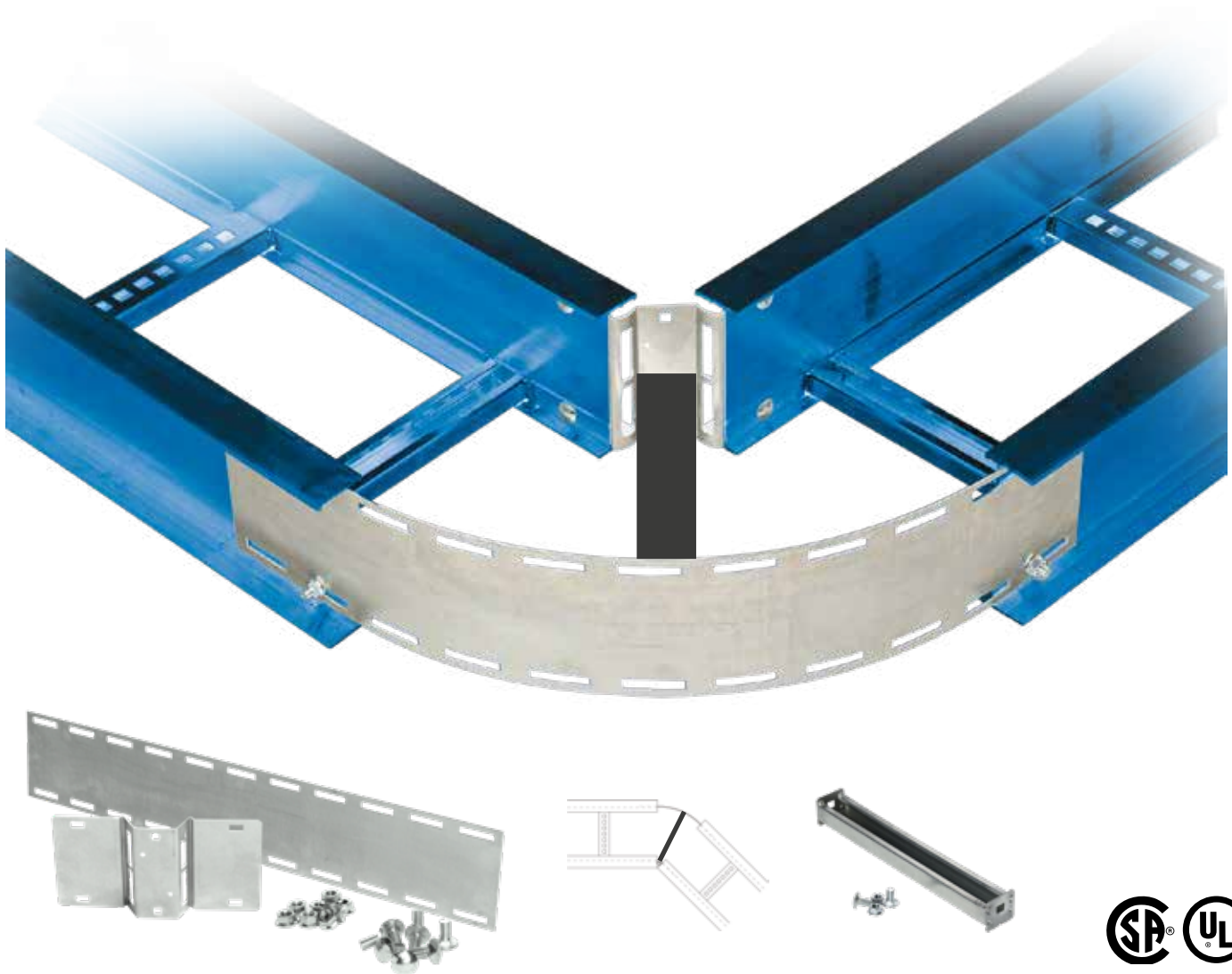
**Exterior strap provides accurate radius to meet your cable tray design requirements.**

The flexible coupler provides easy installation without measuring and cutting cable tray side rails. Once installed, the coupler allows for electrical continuity, therefore eliminating the requirement for a bonding jumper.

- Formed ribs provide better cable protection
- Fast and easy installation
- Meets the electrical continuity requirement of NEMA VE1 and CSA C22.2 No. 126.1

**Features and benefits**

- Reduces installation time
- No need for a bonding jumper
- Flexible and economical alternative to regular AU/AH fitting



Aluminum fittings

Aluminum – Flexible coupler



Aluminum – Flexible coupler



| Cat. no.     | Material | Side rail height (in.) | Tray width (in.) |
|--------------|----------|------------------------|------------------|
| ABW-(*)06HBP | Aluminum | 4 to 7                 | 06               |
| ABW-(*)09HBP | Aluminum | 4 to 7                 | 09               |
| ABW-(*)12HBP | Aluminum | 4 to 7                 | 12               |
| ABW-(*)18HBP | Aluminum | 4 to 7                 | 18               |
| ABW-(*)24HBP | Aluminum | 4 to 7                 | 24               |
| ABW-(*)30HBP | Aluminum | 4 to 7                 | 30               |
| ABW-(*)36HBP | Aluminum | 4 to 7                 | 36               |

\*Insert side rail height

Optional rung information (provides additional cable support)

| Cat. no.    | Material | Tray width (in.) |
|-------------|----------|------------------|
| ABW-R(*)HBP | Aluminum | 06               |
|             | Aluminum | 09               |
|             | Aluminum | 12               |
|             | Aluminum | 18               |
|             | Aluminum | 24               |
|             | Aluminum | 30               |
|             | Aluminum | 36               |

\* Insert tray width

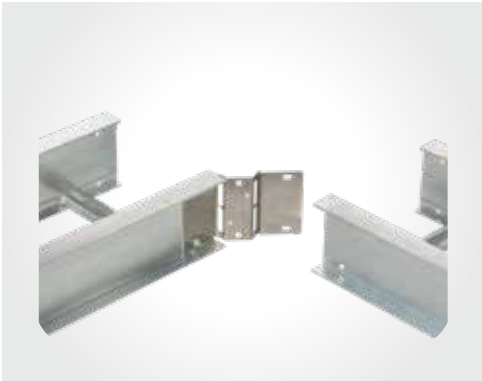
Load rating with optional rung

| Tray width                     | Side rail height         |                                 |                               |                                 |
|--------------------------------|--------------------------|---------------------------------|-------------------------------|---------------------------------|
|                                | 3 in.<br>(76 mm)         | 4 and 5 in.<br>(102 and 127 mm) |                               | 6 and 7 in.<br>(152 and 178 mm) |
| 36 in.<br>(914 mm)             | 50 lb/ft.<br>(74 kg/m)   | Al: 75 lb/ft.<br>(112 kg/m)     | Steel: 50 lb/ft.<br>(74 kg/m) | 100 lb/ft.<br>(149 kg/m)        |
| 30 in.<br>(762 mm)             | 75 lb/ft.<br>(112 kg/m)  | 100 lb/ft.<br>(149 kg/m)        |                               | 100 lb/ft.<br>(149 kg/m)        |
| 6 to 24 in.<br>(152 to 610 mm) | 100 lb/ft.<br>(149 kg/m) | 100 lb/ft.<br>(149 kg/m)        |                               | 100 lb/ft.<br>(149 kg/m)        |

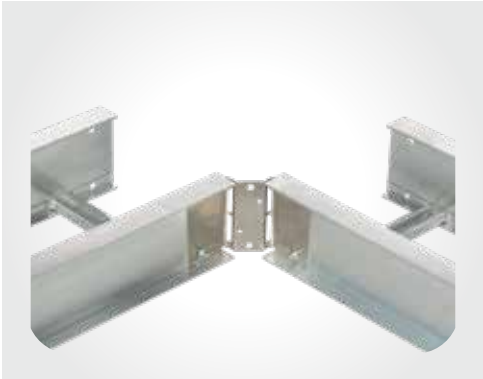
- 01 Fasten flexible coupler to tray.
- 02 Bend.
- 03 Fasten to the other length of cable tray.
- 04 Fasten the strap.



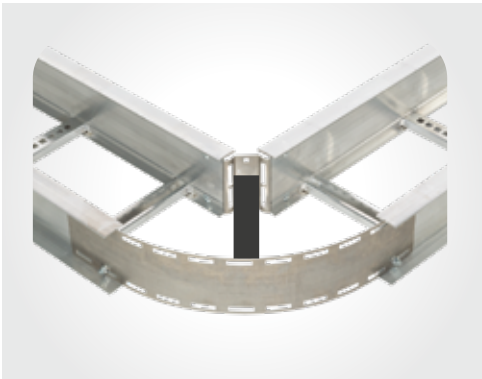
01



02



03



04



## Aluminum fittings

### 90°/60° U-style horizontal bend fittings

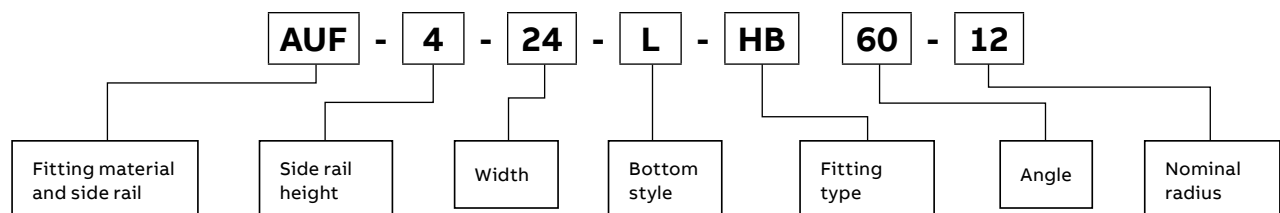
#### 90° Horizontal bend – U-style

|                                                                                   | Nominal<br>radius (in.) | Nominal<br>width (in.) | Cat. no.              | Dimensions (in.) |     |
|-----------------------------------------------------------------------------------|-------------------------|------------------------|-----------------------|------------------|-----|
|                                                                                   |                         |                        |                       | X                | Y   |
|  | 12                      | 6                      | AUF(t)-06-(*)-HB90-12 | 15               | 15  |
|                                                                                   | 12                      | 9                      | AUF(t)-09-(*)-HB90-12 | 16½              | 16½ |
|                                                                                   | 12                      | 12                     | AUF(t)-12-(*)-HB90-12 | 18               | 18  |
|                                                                                   | 12                      | 18                     | AUF(t)-18-(*)-HB90-12 | 21               | 21  |
|                                                                                   | 12                      | 24                     | AUF(t)-24-(*)-HB90-12 | 24               | 24  |
|                                                                                   | 12                      | 30                     | AUF(t)-30-(*)-HB90-12 | 27               | 27  |
|                                                                                   | 12                      | 36                     | AUF(t)-36-(*)-HB90-12 | 30               | 30  |
|                                                                                   | 12                      | 42                     | AUF(t)-42-(*)-HB90-12 | 33               | 33  |
|  | 24                      | 6                      | AUF(t)-06-(*)-HB90-24 | 27               | 27  |
|                                                                                   | 24                      | 9                      | AUF(t)-09-(*)-HB90-24 | 28½              | 28½ |
|                                                                                   | 24                      | 12                     | AUF(t)-12-(*)-HB90-24 | 30               | 30  |
|                                                                                   | 24                      | 18                     | AUF(t)-18-(*)-HB90-24 | 33               | 33  |
|                                                                                   | 24                      | 24                     | AUF(t)-24-(*)-HB90-24 | 36               | 36  |
|                                                                                   | 24                      | 30                     | AUF(t)-30-(*)-HB90-24 | 39               | 39  |
|                                                                                   | 24                      | 36                     | AUF(t)-36-(*)-HB90-24 | 42               | 42  |
|                                                                                   | 24                      | 42                     | AUF(t)-42-(*)-HB90-24 | 45               | 45  |
|  | 36                      | 6                      | AUF(t)-06-(*)-HB90-36 | 39               | 39  |
|                                                                                   | 36                      | 9                      | AUF(t)-09-(*)-HB90-36 | 40½              | 40½ |
|                                                                                   | 36                      | 12                     | AUF(t)-12-(*)-HB90-36 | 42               | 42  |
|                                                                                   | 36                      | 18                     | AUF(t)-18-(*)-HB90-36 | 45               | 45  |
|                                                                                   | 36                      | 24                     | AUF(t)-24-(*)-HB90-36 | 48               | 48  |
|                                                                                   | 36                      | 30                     | AUF(t)-30-(*)-HB90-36 | 51               | 51  |
|                                                                                   | 36                      | 36                     | AUF(t)-36-(*)-HB90-36 | 54               | 54  |
|                                                                                   | 36                      | 42                     | AUF(t)-42-(*)-HB90-36 | 57               | 57  |
|  | 48                      | 6                      | AUF(t)-06-(*)-HB90-48 | 51               | 51  |
|                                                                                   | 48                      | 9                      | AUF(t)-09-(*)-HB90-48 | 52½              | 52½ |
|                                                                                   | 48                      | 12                     | AUF(t)-12-(*)-HB90-48 | 54               | 54  |
|                                                                                   | 48                      | 18                     | AUF(t)-18-(*)-HB90-48 | 57               | 57  |
|                                                                                   | 48                      | 24                     | AUF(t)-24-(*)-HB90-48 | 60               | 60  |
|                                                                                   | 48                      | 30                     | AUF(t)-30-(*)-HB90-48 | 63               | 63  |
|                                                                                   | 48                      | 36                     | AUF(t)-36-(*)-HB90-48 | 66               | 66  |
|                                                                                   | 48                      | 42                     | AUF(t)-42-(*)-HB90-48 | 69               | 69  |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

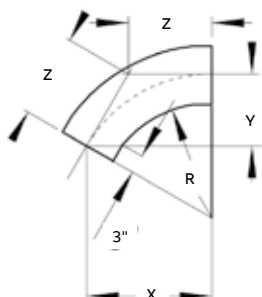
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system





### 60° Horizontal bend – U-style

|                                                                                     | Nominal<br>radius (in.) | Nominal<br>width (in.) | Cat. no.              | Dimensions (in.)                 |                                 |                                  |
|-------------------------------------------------------------------------------------|-------------------------|------------------------|-----------------------|----------------------------------|---------------------------------|----------------------------------|
|                                                                                     |                         |                        |                       | X                                | Y                               | Z                                |
|    | 12                      | 6                      | AUF(t)-06-(*)-HB60-12 | 14 <sup>7</sup> / <sub>16</sub>  | 8 <sup>5</sup> / <sub>16</sub>  | 9 <sup>15</sup> / <sub>16</sub>  |
|                                                                                     | 12                      | 9                      | AUF(t)-09-(*)-HB60-12 | 16 <sup>3</sup> / <sub>16</sub>  | 9 <sup>9</sup> / <sub>16</sub>  | 10 <sup>13</sup> / <sub>16</sub> |
|                                                                                     | 12                      | 12                     | AUF(t)-12-(*)-HB60-12 | 17 <sup>1</sup> / <sub>2</sub>   | 10 <sup>1</sup> / <sub>16</sub> | 11 <sup>11</sup> / <sub>16</sub> |
|                                                                                     | 12                      | 18                     | AUF(t)-18-(*)-HB60-12 | 20 <sup>1</sup> / <sub>16</sub>  | 11 <sup>5</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>16</sub>  |
|                                                                                     | 12                      | 24                     | AUF(t)-24-(*)-HB60-12 | 22 <sup>11</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>16</sub> | 15 <sup>1</sup> / <sub>16</sub>  |
|                                                                                     | 12                      | 30                     | AUF(t)-30-(*)-HB60-12 | 25 <sup>5</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>16</sub>  |
|                                                                                     | 12                      | 36                     | AUF(t)-36-(*)-HB60-12 | 27 <sup>7</sup> / <sub>16</sub>  | 16 <sup>1</sup> / <sub>16</sub> | 18 <sup>9</sup> / <sub>16</sub>  |
|                                                                                     | 12                      | 42                     | AUF(t)-42-(*)-HB60-12 | 30 <sup>1</sup> / <sub>2</sub>   | 17 <sup>5</sup> / <sub>16</sub> | 20 <sup>5</sup> / <sub>16</sub>  |
|                                                                                     | 24                      | 6                      | AUF(t)-06-(*)-HB60-24 | 25 <sup>5</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>16</sub>  |
|                                                                                     | 24                      | 9                      | AUF(t)-09-(*)-HB60-24 | 26 <sup>9</sup> / <sub>16</sub>  | 15 <sup>3</sup> / <sub>16</sub> | 17 <sup>3</sup> / <sub>4</sub>   |
|                                                                                     | 24                      | 12                     | AUF(t)-12-(*)-HB60-24 | 27 <sup>7</sup> / <sub>16</sub>  | 16 <sup>1</sup> / <sub>16</sub> | 18 <sup>9</sup> / <sub>16</sub>  |
|                                                                                     | 24                      | 18                     | AUF(t)-18-(*)-HB60-24 | 30 <sup>1</sup> / <sub>2</sub>   | 17 <sup>7</sup> / <sub>16</sub> | 20 <sup>5</sup> / <sub>16</sub>  |
|                                                                                     | 24                      | 24                     | AUF(t)-24-(*)-HB60-24 | 33 <sup>1</sup> / <sub>16</sub>  | 19 <sup>1</sup> / <sub>16</sub> | 22 <sup>1</sup> / <sub>16</sub>  |
|                                                                                     | 24                      | 30                     | AUF(t)-30-(*)-HB60-24 | 35 <sup>11</sup> / <sub>16</sub> | 20 <sup>9</sup> / <sub>16</sub> | 23 <sup>13</sup> / <sub>16</sub> |
|                                                                                     | 24                      | 36                     | AUF(t)-36-(*)-HB60-24 | 38 <sup>1</sup> / <sub>4</sub>   | 22 <sup>1</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>2</sub>   |
|                                                                                     | 24                      | 42                     | AUF(t)-42-(*)-HB60-24 | 40 <sup>7</sup> / <sub>16</sub>  | 23 <sup>3</sup> / <sub>16</sub> | 27 <sup>1</sup> / <sub>4</sub>   |
|  | 36                      | 6                      | AUF(t)-06-(*)-HB60-36 | 35 <sup>11</sup> / <sub>16</sub> | 20 <sup>5</sup> / <sub>16</sub> | 23 <sup>13</sup> / <sub>16</sub> |
|                                                                                     | 36                      | 9                      | AUF(t)-09-(*)-HB60-36 | 37                               | 21 <sup>3</sup> / <sub>16</sub> | 24 <sup>5</sup> / <sub>16</sub>  |
|                                                                                     | 36                      | 12                     | AUF(t)-12-(*)-HB60-36 | 38 <sup>3</sup> / <sub>4</sub>   | 22 <sup>1</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>2</sub>   |
|                                                                                     | 36                      | 18                     | AUF(t)-18-(*)-HB60-36 | 40 <sup>7</sup> / <sub>16</sub>  | 23 <sup>3</sup> / <sub>16</sub> | 27 <sup>7</sup> / <sub>16</sub>  |
|                                                                                     | 36                      | 24                     | AUF(t)-24-(*)-HB60-36 | 43 <sup>1</sup> / <sub>2</sub>   | 25 <sup>1</sup> / <sub>16</sub> | 29                               |
|                                                                                     | 36                      | 30                     | AUF(t)-30-(*)-HB60-36 | 46 <sup>1</sup> / <sub>16</sub>  | 26 <sup>5</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> |
|                                                                                     | 36                      | 36                     | AUF(t)-36-(*)-HB60-36 | 48 <sup>1</sup> / <sub>16</sub>  | 28 <sup>1</sup> / <sub>16</sub> | 32 <sup>7</sup> / <sub>16</sub>  |
|                                                                                     | 36                      | 42                     | AUF(t)-42-(*)-HB60-36 | 51 <sup>1</sup> / <sub>4</sub>   | 29 <sup>9</sup> / <sub>16</sub> | 34 <sup>3</sup> / <sub>16</sub>  |
|                                                                                     | 48                      | 6                      | AUF(t)-06-(*)-HB60-48 | 46 <sup>1</sup> / <sub>16</sub>  | 26 <sup>5</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> |
|                                                                                     | 48                      | 9                      | AUF(t)-09-(*)-HB60-48 | 47 <sup>9</sup> / <sub>16</sub>  | 27 <sup>3</sup> / <sub>16</sub> | 31 <sup>9</sup> / <sub>16</sub>  |
|                                                                                     | 48                      | 12                     | AUF(t)-12-(*)-HB60-48 | 48 <sup>11</sup> / <sub>16</sub> | 28 <sup>1</sup> / <sub>16</sub> | 32 <sup>7</sup> / <sub>16</sub>  |
|                                                                                     | 48                      | 18                     | AUF(t)-18-(*)-HB60-48 | 51 <sup>1</sup> / <sub>16</sub>  | 29 <sup>9</sup> / <sub>16</sub> | 34 <sup>3</sup> / <sub>16</sub>  |
|                                                                                     | 48                      | 24                     | AUF(t)-24-(*)-HB60-48 | 53 <sup>7</sup> / <sub>16</sub>  | 31 <sup>1</sup> / <sub>16</sub> | 35 <sup>15</sup> / <sub>16</sub> |
|                                                                                     | 48                      | 30                     | AUF(t)-30-(*)-HB60-48 | 56 <sup>7</sup> / <sub>16</sub>  | 32 <sup>5</sup> / <sub>16</sub> | 37 <sup>5</sup> / <sub>16</sub>  |
|                                                                                     | 48                      | 36                     | AUF(t)-36-(*)-HB60-48 | 59 <sup>1</sup> / <sub>16</sub>  | 34 <sup>1</sup> / <sub>16</sub> | 39 <sup>3</sup> / <sub>16</sub>  |
|                                                                                     | 48                      | 42                     | AUF(t)-42-(*)-HB60-48 | 61 <sup>11</sup> / <sub>16</sub> | 35 <sup>5</sup> / <sub>16</sub> | 41 <sup>1</sup> / <sub>16</sub>  |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

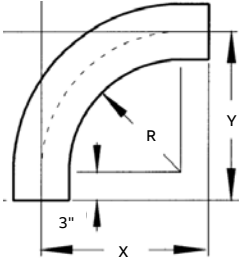
### Selection guide

- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 90°, 60°
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

Aluminum fittings

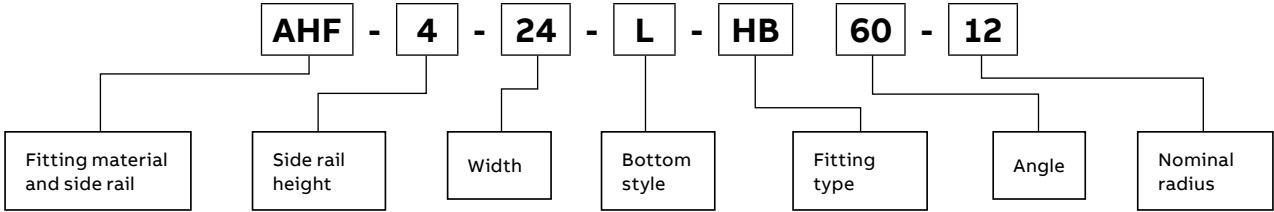
90°/60° H-style horizontal bend fittings

90° Horizontal bend – H-style

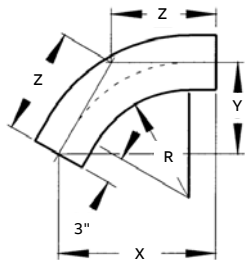
|                                                                                     | Nominal<br>radius (in.) | Nominal<br>width (in.) | Cat. no.              | Dimensions (in.) |     |
|-------------------------------------------------------------------------------------|-------------------------|------------------------|-----------------------|------------------|-----|
|                                                                                     |                         |                        |                       | X                | Y   |
|    | 12                      | 6                      | AHF(t)-06-(*)-HB90-12 | 18               | 18  |
|                                                                                     | 12                      | 9                      | AHF(t)-09-(*)-HB90-12 | 19½              | 19½ |
|                                                                                     | 12                      | 12                     | AHF(t)-12-(*)-HB90-12 | 21               | 21  |
|                                                                                     | 12                      | 18                     | AHF(t)-18-(*)-HB90-12 | 24               | 24  |
|                                                                                     | 12                      | 24                     | AHF(t)-24-(*)-HB90-12 | 27               | 27  |
|                                                                                     | 12                      | 30                     | AHF(t)-30-(*)-HB90-12 | 30               | 30  |
|                                                                                     | 12                      | 36                     | AHF(t)-36-(*)-HB90-12 | 33               | 33  |
|                                                                                     | 12                      | 42                     | AHF(t)-42-(*)-HB90-12 | 36               | 36  |
|                                                                                     | 24                      | 6                      | AHF(t)-06-(*)-HB90-24 | 30               | 30  |
|                                                                                     | 24                      | 9                      | AHF(t)-09-(*)-HB90-24 | 31½              | 31½ |
|                                                                                     | 24                      | 12                     | AHF(t)-12-(*)-HB90-24 | 33               | 33  |
|                                                                                     | 24                      | 18                     | AHF(t)-18-(*)-HB90-24 | 36               | 36  |
|                                                                                     | 24                      | 24                     | AHF(t)-24-(*)-HB90-24 | 39               | 39  |
|                                                                                     | 24                      | 30                     | AHF(t)-30-(*)-HB90-24 | 42               | 42  |
|                                                                                     | 24                      | 36                     | AHF(t)-36-(*)-HB90-24 | 45               | 45  |
|                                                                                     | 24                      | 42                     | AHF(t)-42-(*)-HB90-24 | 48               | 48  |
|  | 36                      | 6                      | AHF(t)-06-(*)-HB90-36 | 42               | 42  |
|                                                                                     | 36                      | 9                      | AHF(t)-09-(*)-HB90-36 | 43½              | 43½ |
|                                                                                     | 36                      | 12                     | AHF(t)-12-(*)-HB90-36 | 45               | 45  |
|                                                                                     | 36                      | 18                     | AHF(t)-18-(*)-HB90-36 | 48               | 48  |
|                                                                                     | 36                      | 24                     | AHF(t)-24-(*)-HB90-36 | 51               | 51  |
|                                                                                     | 36                      | 30                     | AHF(t)-30-(*)-HB90-36 | 54               | 54  |
|                                                                                     | 36                      | 36                     | AHF(t)-36-(*)-HB90-36 | 57               | 57  |
|                                                                                     | 36                      | 42                     | AHF(t)-42-(*)-HB90-36 | 60               | 60  |
|                                                                                     | 48                      | 6                      | AHF(t)-06-(*)-HB90-48 | 54               | 54  |
|                                                                                     | 48                      | 9                      | AHF(t)-09-(*)-HB90-48 | 55½              | 55½ |
|                                                                                     | 48                      | 12                     | AHF(t)-12-(*)-HB90-48 | 57               | 57  |
|                                                                                     | 48                      | 18                     | AHF(t)-18-(*)-HB90-48 | 60               | 60  |
|                                                                                     | 48                      | 24                     | AHF(t)-24-(*)-HB90-48 | 63               | 63  |
|                                                                                     | 48                      | 30                     | AHF(t)-30-(*)-HB90-48 | 66               | 66  |
|                                                                                     | 48                      | 36                     | AHF(t)-36-(*)-HB90-48 | 69               | 69  |
|                                                                                     | 48                      | 42                     | AHF(t)-42-(*)-HB90-48 | 72               | 72  |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

Part numbering system



### 60° Horizontal bend – H-style



|  | Nominal<br>radius (in.) | Nominal<br>width (in.) | Cat. no.              | Dimensions (in.) |     |      |
|--|-------------------------|------------------------|-----------------------|------------------|-----|------|
|  |                         |                        |                       | X                | Y   | Z    |
|  | 12                      | 6                      | AHF(t)-06-(*)-HB60-12 | 17½              | 10⅞ | 11¼⅞ |
|  | 12                      | 9                      | AHF(t)-09-(*)-HB60-12 | 18⅓⅞             | 10⅞ | 12½  |
|  | 12                      | 12                     | AHF(t)-12-(*)-HB60-12 | 20¼⅞             | 11⅞ | 13⅞  |
|  | 12                      | 18                     | AHF(t)-18-(*)-HB60-12 | 22¼⅞             | 13⅞ | 15⅞  |
|  | 12                      | 24                     | AHF(t)-24-(*)-HB60-12 | 25⅝⅞             | 14⅝ | 16⅞  |
|  | 12                      | 30                     | AHF(t)-30-(*)-HB60-12 | 27⅞              | 16⅞ | 18⅝⅞ |
|  | 12                      | 36                     | AHF(t)-36-(*)-HB60-12 | 30½              | 17⅞ | 20⅝⅞ |
|  | 12                      | 42                     | AHF(t)-42-(*)-HB60-12 | 33⅓⅞             | 19⅞ | 22¼⅞ |
|  | 24                      | 6                      | AHF(t)-06-(*)-HB60-24 | 27⅞              | 16⅞ | 18⅝⅞ |
|  | 24                      | 9                      | AHF(t)-09-(*)-HB60-24 | 29⅝⅞             | 16⅞ | 19⅞  |
|  | 24                      | 12                     | AHF(t)-12-(*)-HB60-24 | 30½              | 17⅞ | 20⅝⅞ |
|  | 24                      | 18                     | AHF(t)-18-(*)-HB60-24 | 33⅓⅞             | 19⅞ | 22¼⅞ |
|  | 24                      | 24                     | AHF(t)-24-(*)-HB60-24 | 35¼⅞             | 20⅞ | 23⅓⅞ |
|  | 24                      | 30                     | AHF(t)-30-(*)-HB60-24 | 38¼              | 22⅞ | 25½  |
|  | 24                      | 36                     | AHF(t)-36-(*)-HB60-24 | 40⅞              | 23⅞ | 27¼  |
|  | 24                      | 42                     | AHF(t)-42-(*)-HB60-24 | 43⅓⅞             | 25⅞ | 29⅝⅞ |
|  | 36                      | 6                      | AHF(t)-06-(*)-HB60-36 | 38¼              | 22⅞ | 25½  |
|  | 36                      | 9                      | AHF(t)-09-(*)-HB60-36 | 39⅝⅞             | 22⅞ | 26⅞  |
|  | 36                      | 12                     | AHF(t)-12-(*)-HB60-36 | 40⅞              | 23⅞ | 27¼  |
|  | 36                      | 18                     | AHF(t)-18-(*)-HB60-36 | 43½              | 25⅞ | 29   |
|  | 36                      | 24                     | AHF(t)-24-(*)-HB60-36 | 46¼⅞             | 26⅞ | 30¼⅞ |
|  | 36                      | 30                     | AHF(t)-30-(*)-HB60-36 | 48¼⅞             | 28⅞ | 32⅞  |
|  | 36                      | 36                     | AHF(t)-36-(*)-HB60-36 | 51¼              | 29⅞ | 34⅝⅞ |
|  | 36                      | 42                     | AHF(t)-42-(*)-HB60-36 | 53⅞              | 31⅞ | 35⅝⅞ |
|  | 48                      | 6                      | AHF(t)-06-(*)-HB60-48 | 48¼⅞             | 28⅞ | 32⅞  |
|  | 48                      | 9                      | AHF(t)-09-(*)-HB60-48 | 49⅝⅞             | 28⅞ | 33⅝⅞ |
|  | 48                      | 12                     | AHF(t)-12-(*)-HB60-48 | 51¼              | 29⅞ | 34⅝⅞ |
|  | 48                      | 18                     | AHF(t)-18-(*)-HB60-48 | 53⅞              | 31⅞ | 35⅝⅞ |
|  | 48                      | 24                     | AHF(t)-24-(*)-HB60-48 | 56⅞              | 32⅞ | 37⅞  |
|  | 48                      | 30                     | AHF(t)-30-(*)-HB60-48 | 59⅝⅞             | 34⅞ | 39⅞  |
|  | 48                      | 36                     | AHF(t)-36-(*)-HB60-48 | 61¼⅞             | 35⅞ | 41⅞  |
|  | 48                      | 42                     | AHF(t)-42-(*)-HB60-48 | 64¼              | 37⅞ | 42⅓⅞ |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

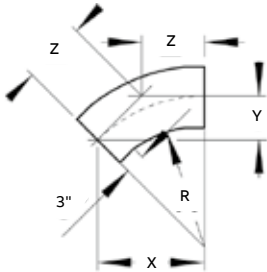
### Selection guide

- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 90°, 60°
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4 –7 in.

## Aluminum fittings

### 45°/30° U-style horizontal bend fittings

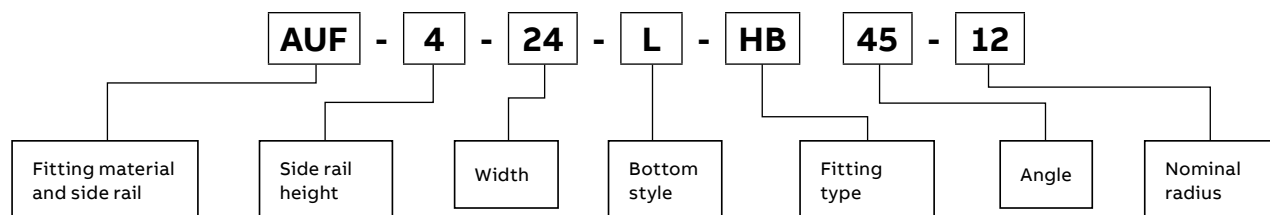
#### 45° Horizontal bend – U-style

|                                                                                     | Nominal<br>radius (in.) | Nominal<br>width (in.) | Cat. no.              | Dimensions (in.)                 |                                  |                                  |
|-------------------------------------------------------------------------------------|-------------------------|------------------------|-----------------------|----------------------------------|----------------------------------|----------------------------------|
|                                                                                     |                         |                        |                       | X                                | Y                                | Z                                |
|    | 12                      | 6                      | AUF(t)-06-(*)-HB45-12 | 13 <sup>5</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub>   | 8                                |
|                                                                                     | 12                      | 9                      | AUF(t)-09-(*)-HB45-12 | 14 <sup>11</sup> / <sub>16</sub> | 6 <sup>1</sup> / <sub>16</sub>   | 8 <sup>9</sup> / <sub>16</sub>   |
|                                                                                     | 12                      | 12                     | AUF(t)-12-(*)-HB45-12 | 15 <sup>3</sup> / <sub>4</sub>   | 6 <sup>1</sup> / <sub>2</sub>    | 9 <sup>3</sup> / <sub>16</sub>   |
|                                                                                     | 12                      | 18                     | AUF(t)-18-(*)-HB45-12 | 17 <sup>7</sup> / <sub>8</sub>   | 7 <sup>3</sup> / <sub>8</sub>    | 10 <sup>7</sup> / <sub>16</sub>  |
|                                                                                     | 12                      | 24                     | AUF(t)-24-(*)-HB45-12 | 20                               | 8 <sup>3</sup> / <sub>4</sub>    | 11 <sup>11</sup> / <sub>16</sub> |
|                                                                                     | 12                      | 30                     | AUF(t)-30-(*)-HB45-12 | 22 <sup>3</sup> / <sub>16</sub>  | 9 <sup>3</sup> / <sub>8</sub>    | 12 <sup>15</sup> / <sub>16</sub> |
|                                                                                     | 12                      | 36                     | AUF(t)-36-(*)-HB45-12 | 24 <sup>3</sup> / <sub>16</sub>  | 10                               | 14 <sup>3</sup> / <sub>16</sub>  |
|                                                                                     | 12                      | 42                     | AUF(t)-42-(*)-HB45-12 | 26 <sup>5</sup> / <sub>16</sub>  | 10 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub>  |
|                                                                                     | 24                      | 6                      | AUF(t)-06-(*)-HB45-24 | 22 <sup>3</sup> / <sub>16</sub>  | 9 <sup>3</sup> / <sub>8</sub>    | 12 <sup>15</sup> / <sub>16</sub> |
|                                                                                     | 24                      | 9                      | AUF(t)-09-(*)-HB45-24 | 23 <sup>3</sup> / <sub>8</sub>   | 9 <sup>9</sup> / <sub>16</sub>   | 13 <sup>3</sup> / <sub>16</sub>  |
|                                                                                     | 24                      | 12                     | AUF(t)-12-(*)-HB45-24 | 24 <sup>3</sup> / <sub>16</sub>  | 10                               | 14 <sup>3</sup> / <sub>16</sub>  |
|                                                                                     | 24                      | 18                     | AUF(t)-18-(*)-HB45-24 | 26 <sup>5</sup> / <sub>16</sub>  | 10 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub>  |
|                                                                                     | 24                      | 24                     | AUF(t)-24-(*)-HB45-24 | 28 <sup>7</sup> / <sub>16</sub>  | 11 <sup>13</sup> / <sub>16</sub> | 16 <sup>11</sup> / <sub>16</sub> |
|                                                                                     | 24                      | 30                     | AUF(t)-30-(*)-HB45-24 | 30 <sup>9</sup> / <sub>16</sub>  | 12 <sup>11</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> |
|                                                                                     | 24                      | 36                     | AUF(t)-36-(*)-HB45-24 | 32 <sup>11</sup> / <sub>16</sub> | 13 <sup>9</sup> / <sub>16</sub>  | 19 <sup>3</sup> / <sub>8</sub>   |
|                                                                                     | 24                      | 42                     | AUF(t)-42-(*)-HB45-24 | 34 <sup>13</sup> / <sub>16</sub> | 14 <sup>7</sup> / <sub>8</sub>   | 20 <sup>3</sup> / <sub>8</sub>   |
|  | 36                      | 6                      | AUF(t)-06-(*)-HB45-36 | 30 <sup>9</sup> / <sub>16</sub>  | 12 <sup>11</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> |
|                                                                                     | 36                      | 9                      | AUF(t)-09-(*)-HB45-36 | 31 <sup>5</sup> / <sub>8</sub>   | 13 <sup>3</sup> / <sub>8</sub>   | 18 <sup>9</sup> / <sub>16</sub>  |
|                                                                                     | 36                      | 12                     | AUF(t)-12-(*)-HB45-36 | 32 <sup>11</sup> / <sub>16</sub> | 13 <sup>9</sup> / <sub>16</sub>  | 19 <sup>3</sup> / <sub>8</sub>   |
|                                                                                     | 36                      | 18                     | AUF(t)-18-(*)-HB45-36 | 34 <sup>13</sup> / <sub>16</sub> | 14 <sup>7</sup> / <sub>16</sub>  | 20 <sup>3</sup> / <sub>8</sub>   |
|                                                                                     | 36                      | 24                     | AUF(t)-24-(*)-HB45-36 | 36 <sup>15</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub>  | 21 <sup>5</sup> / <sub>8</sub>   |
|                                                                                     | 36                      | 30                     | AUF(t)-30-(*)-HB45-36 | 39 <sup>1</sup> / <sub>16</sub>  | 16 <sup>3</sup> / <sub>16</sub>  | 22 <sup>7</sup> / <sub>8</sub>   |
|                                                                                     | 36                      | 36                     | AUF(t)-36-(*)-HB45-36 | 41 <sup>3</sup> / <sub>16</sub>  | 17 <sup>1</sup> / <sub>16</sub>  | 24 <sup>1</sup> / <sub>8</sub>   |
|                                                                                     | 36                      | 42                     | AUF(t)-42-(*)-HB45-36 | 43 <sup>5</sup> / <sub>16</sub>  | 17 <sup>15</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>8</sub>   |
|                                                                                     | 48                      | 6                      | AUF(t)-06-(*)-HB45-48 | 39 <sup>1</sup> / <sub>16</sub>  | 16 <sup>3</sup> / <sub>16</sub>  | 22 <sup>7</sup> / <sub>8</sub>   |
|                                                                                     | 48                      | 9                      | AUF(t)-09-(*)-HB45-48 | 40 <sup>1</sup> / <sub>8</sub>   | 16 <sup>3</sup> / <sub>8</sub>   | 23 <sup>1</sup> / <sub>2</sub>   |
|                                                                                     | 48                      | 12                     | AUF(t)-12-(*)-HB45-48 | 41 <sup>3</sup> / <sub>16</sub>  | 17 <sup>1</sup> / <sub>16</sub>  | 24 <sup>1</sup> / <sub>8</sub>   |
|                                                                                     | 48                      | 18                     | AUF(t)-18-(*)-HB45-48 | 43 <sup>5</sup> / <sub>16</sub>  | 17 <sup>15</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>8</sub>   |
|                                                                                     | 48                      | 24                     | AUF(t)-24-(*)-HB45-48 | 45 <sup>7</sup> / <sub>16</sub>  | 18 <sup>13</sup> / <sub>16</sub> | 26 <sup>5</sup> / <sub>8</sub>   |
|                                                                                     | 48                      | 30                     | AUF(t)-30-(*)-HB45-48 | 47 <sup>9</sup> / <sub>16</sub>  | 19 <sup>11</sup> / <sub>16</sub> | 27 <sup>7</sup> / <sub>8</sub>   |
|                                                                                     | 48                      | 36                     | AUF(t)-36-(*)-HB45-48 | 49 <sup>11</sup> / <sub>16</sub> | 20 <sup>9</sup> / <sub>16</sub>  | 29 <sup>3</sup> / <sub>8</sub>   |
|                                                                                     | 48                      | 42                     | AUF(t)-42-(*)-HB45-48 | 51 <sup>13</sup> / <sub>16</sub> | 21 <sup>7</sup> / <sub>16</sub>  | 30 <sup>5</sup> / <sub>16</sub>  |

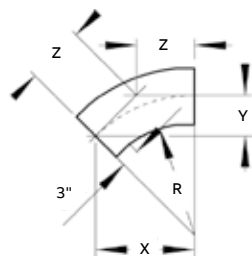
(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



### 30° Horizontal bend – U-style



|  | Nominal<br>radius (in.) | Nominal<br>width (in.) | Cat. no.              | Dimensions (in.)               |                                 |                                  |
|--|-------------------------|------------------------|-----------------------|--------------------------------|---------------------------------|----------------------------------|
|  |                         |                        |                       | X                              | Y                               | Z                                |
|  | 12                      | 6                      | AUF(t)-06-(*)-HB30-12 | 11 <sup>5</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>8</sub>   | 6 <sup>3</sup> / <sub>16</sub>   |
|  | 12                      | 9                      | AUF(t)-09-(*)-HB30-12 | 12 <sup>3</sup> / <sub>8</sub> | 3 <sup>5</sup> / <sub>16</sub>  | 6 <sup>5</sup> / <sub>8</sub>    |
|  | 12                      | 12                     | AUF(t)-12-(*)-HB30-12 | 13 <sup>1</sup> / <sub>2</sub> | 3 <sup>1</sup> / <sub>2</sub>   | 7                                |
|  | 12                      | 18                     | AUF(t)-18-(*)-HB30-12 | 14 <sup>5</sup> / <sub>8</sub> | 3 <sup>15</sup> / <sub>16</sub> | 7 <sup>13</sup> / <sub>16</sub>  |
|  | 12                      | 24                     | AUF(t)-24-(*)-HB30-12 | 16 <sup>1</sup> / <sub>8</sub> | 4 <sup>5</sup> / <sub>16</sub>  | 8 <sup>5</sup> / <sub>8</sub>    |
|  | 12                      | 30                     | AUF(t)-30-(*)-HB30-12 | 17 <sup>5</sup> / <sub>8</sub> | 4 <sup>11</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>16</sub>   |
|  | 12                      | 36                     | AUF(t)-36-(*)-HB30-12 | 19 <sup>1</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>8</sub>   | 10 <sup>1</sup> / <sub>4</sub>   |
|  | 12                      | 42                     | AUF(t)-42-(*)-HB30-12 | 20 <sup>5</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>2</sub>   | 11 <sup>1</sup> / <sub>16</sub>  |
|  | 24                      | 6                      | AUF(t)-06-(*)-HB30-24 | 17 <sup>5</sup> / <sub>8</sub> | 4 <sup>11</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>16</sub>   |
|  | 24                      | 9                      | AUF(t)-09-(*)-HB30-24 | 18 <sup>3</sup> / <sub>8</sub> | 4 <sup>15</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub>  |
|  | 24                      | 12                     | AUF(t)-12-(*)-HB30-24 | 19 <sup>1</sup> / <sub>8</sub> | 5 <sup>5</sup> / <sub>16</sub>  | 10 <sup>4</sup> / <sub>16</sub>  |
|  | 24                      | 18                     | AUF(t)-18-(*)-HB30-24 | 20 <sup>5</sup> / <sub>8</sub> | 5 <sup>5</sup> / <sub>16</sub>  | 11 <sup>1</sup> / <sub>16</sub>  |
|  | 24                      | 24                     | AUF(t)-24-(*)-HB30-24 | 22 <sup>1</sup> / <sub>8</sub> | 5 <sup>15</sup> / <sub>16</sub> | 11 <sup>13</sup> / <sub>16</sub> |
|  | 24                      | 30                     | AUF(t)-30-(*)-HB30-24 | 23 <sup>3</sup> / <sub>8</sub> | 6 <sup>1</sup> / <sub>16</sub>  | 12 <sup>10</sup> / <sub>16</sub> |
|  | 24                      | 36                     | AUF(t)-36-(*)-HB30-24 | 25 <sup>1</sup> / <sub>8</sub> | 6 <sup>13</sup> / <sub>16</sub> | 13 <sup>7</sup> / <sub>16</sub>  |
|  | 24                      | 42                     | AUF(t)-42-(*)-HB30-24 | 26 <sup>5</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>8</sub>   | 14 <sup>1</sup> / <sub>4</sub>   |
|  | 36                      | 6                      | AUF(t)-06-(*)-HB30-36 | 23 <sup>3</sup> / <sub>8</sub> | 6 <sup>1</sup> / <sub>16</sub>  | 12 <sup>5</sup> / <sub>8</sub>   |
|  | 36                      | 9                      | AUF(t)-09-(*)-HB30-36 | 24 <sup>3</sup> / <sub>8</sub> | 6 <sup>1</sup> / <sub>2</sub>   | 13 <sup>3</sup> / <sub>16</sub>  |
|  | 36                      | 12                     | AUF(t)-12-(*)-HB30-36 | 25 <sup>1</sup> / <sub>8</sub> | 6 <sup>3</sup> / <sub>4</sub>   | 13 <sup>7</sup> / <sub>16</sub>  |
|  | 36                      | 18                     | AUF(t)-18-(*)-HB30-36 | 26 <sup>5</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>4</sub>   | 14 <sup>1</sup> / <sub>4</sub>   |
|  | 36                      | 24                     | AUF(t)-24-(*)-HB30-36 | 28 <sup>1</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>2</sub>   | 15 <sup>1</sup> / <sub>16</sub>  |
|  | 36                      | 30                     | AUF(t)-30-(*)-HB30-36 | 29 <sup>5</sup> / <sub>8</sub> | 7 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>8</sub>   |
|  | 36                      | 36                     | AUF(t)-36-(*)-HB30-36 | 31 <sup>1</sup> / <sub>8</sub> | 8 <sup>5</sup> / <sub>16</sub>  | 16 <sup>11</sup> / <sub>16</sub> |
|  | 36                      | 42                     | AUF(t)-42-(*)-HB30-36 | 32 <sup>5</sup> / <sub>8</sub> | 8 <sup>3</sup> / <sub>4</sub>   | 17 <sup>1</sup> / <sub>2</sub>   |
|  | 48                      | 6                      | AUF(t)-06-(*)-HB30-48 | 29 <sup>5</sup> / <sub>8</sub> | 7 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>8</sub>   |
|  | 48                      | 9                      | AUF(t)-09-(*)-HB30-48 | 30 <sup>3</sup> / <sub>8</sub> | 8 <sup>1</sup> / <sub>8</sub>   | 16 <sup>1</sup> / <sub>4</sub>   |
|  | 48                      | 12                     | AUF(t)-12-(*)-HB30-48 | 31 <sup>1</sup> / <sub>8</sub> | 8 <sup>5</sup> / <sub>16</sub>  | 16 <sup>11</sup> / <sub>16</sub> |
|  | 48                      | 18                     | AUF(t)-18-(*)-HB30-48 | 32 <sup>5</sup> / <sub>8</sub> | 8 <sup>3</sup> / <sub>4</sub>   | 17 <sup>1</sup> / <sub>2</sub>   |
|  | 48                      | 24                     | AUF(t)-24-(*)-HB30-48 | 34 <sup>1</sup> / <sub>8</sub> | 9 <sup>1</sup> / <sub>8</sub>   | 18 <sup>1</sup> / <sub>4</sub>   |
|  | 48                      | 30                     | AUF(t)-30-(*)-HB30-48 | 35 <sup>5</sup> / <sub>8</sub> | 9 <sup>9</sup> / <sub>16</sub>  | 19 <sup>7</sup> / <sub>16</sub>  |
|  | 48                      | 36                     | AUF(t)-36-(*)-HB30-48 | 37 <sup>1</sup> / <sub>8</sub> | 9 <sup>15</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub>   |
|  | 48                      | 42                     | AUF(t)-42-(*)-HB30-48 | 38 <sup>5</sup> / <sub>8</sub> | 10 <sup>5</sup> / <sub>16</sub> | 20 <sup>11</sup> / <sub>16</sub> |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

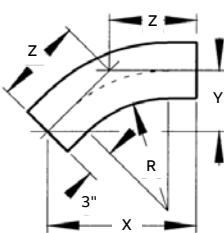
### Selection guide

- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 45°, 30°
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4– 7 in.

## Aluminum fittings

### 45°/30° H-style horizontal bend fittings

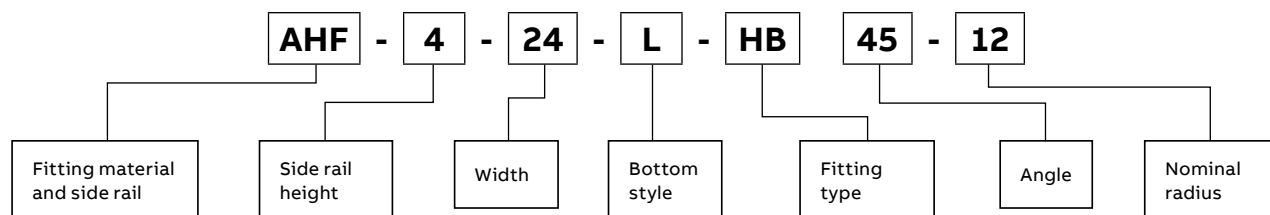
#### 45° Horizontal bend – H-style

|                                                                                     | Nominal radius (in.) | Nominal width (in.) | Cat. no.              | Dimensions (in.)                 |                                  |                                  |
|-------------------------------------------------------------------------------------|----------------------|---------------------|-----------------------|----------------------------------|----------------------------------|----------------------------------|
|                                                                                     |                      |                     |                       | X                                | Y                                | Z                                |
|    | 12                   | 6                   | AHF(t)-06-(*)-HB45-12 | 15 <sup>3</sup> / <sub>4</sub>   | 6 <sup>1</sup> / <sub>2</sub>    | 9 <sup>3</sup> / <sub>16</sub>   |
|                                                                                     | 12                   | 9                   | AHF(t)-09-(*)-HB45-12 | 16 <sup>13</sup> / <sub>16</sub> | 6 <sup>5</sup> / <sub>16</sub>   | 9 <sup>13</sup> / <sub>16</sub>  |
|                                                                                     | 12                   | 12                  | AHF(t)-12-(*)-HB45-12 | 17 <sup>7</sup> / <sub>8</sub>   | 7 <sup>3</sup> / <sub>8</sub>    | 10 <sup>7</sup> / <sub>16</sub>  |
|                                                                                     | 12                   | 18                  | AHF(t)-18-(*)-HB45-12 | 20                               | 8 <sup>3</sup> / <sub>4</sub>    | 11 <sup>11</sup> / <sub>16</sub> |
|                                                                                     | 12                   | 24                  | AHF(t)-24-(*)-HB45-12 | 22 <sup>3</sup> / <sub>16</sub>  | 9 <sup>3</sup> / <sub>8</sub>    | 12 <sup>15</sup> / <sub>16</sub> |
|                                                                                     | 12                   | 30                  | AHF(t)-30-(*)-HB45-12 | 24 <sup>3</sup> / <sub>16</sub>  | 10                               | 14 <sup>3</sup> / <sub>16</sub>  |
|                                                                                     | 12                   | 36                  | AHF(t)-36-(*)-HB45-12 | 26 <sup>5</sup> / <sub>16</sub>  | 10 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub>  |
|                                                                                     | 12                   | 42                  | AHF(t)-42-(*)-HB45-12 | 28 <sup>7</sup> / <sub>16</sub>  | 11 <sup>7</sup> / <sub>8</sub>   | 16 <sup>11</sup> / <sub>16</sub> |
|                                                                                     | 24                   | 6                   | AHF(t)-06-(*)-HB45-24 | 24 <sup>3</sup> / <sub>16</sub>  | 10                               | 14 <sup>3</sup> / <sub>16</sub>  |
|                                                                                     | 24                   | 9                   | AHF(t)-09-(*)-HB45-24 | 25 <sup>3</sup> / <sub>4</sub>   | 10 <sup>1</sup> / <sub>2</sub>   | 14 <sup>13</sup> / <sub>16</sub> |
|                                                                                     | 24                   | 12                  | AHF(t)-12-(*)-HB45-24 | 26 <sup>5</sup> / <sub>16</sub>  | 10 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub>  |
|                                                                                     | 24                   | 18                  | AHF(t)-18-(*)-HB45-24 | 28 <sup>7</sup> / <sub>16</sub>  | 11 <sup>13</sup> / <sub>16</sub> | 16 <sup>11</sup> / <sub>16</sub> |
|                                                                                     | 24                   | 24                  | AHF(t)-24-(*)-HB45-24 | 30 <sup>9</sup> / <sub>16</sub>  | 12 <sup>11</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> |
|                                                                                     | 24                   | 30                  | AHF(t)-30-(*)-HB45-24 | 32 <sup>11</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>16</sub>  | 19 <sup>3</sup> / <sub>8</sub>   |
|                                                                                     | 24                   | 36                  | AHF(t)-36-(*)-HB45-24 | 34 <sup>13</sup> / <sub>16</sub> | 14 <sup>7</sup> / <sub>8</sub>   | 20 <sup>3</sup> / <sub>8</sub>   |
|                                                                                     | 24                   | 42                  | AHF(t)-42-(*)-HB45-24 | 36 <sup>15</sup> / <sub>16</sub> | 15 <sup>3</sup> / <sub>4</sub>   | 21 <sup>5</sup> / <sub>8</sub>   |
|  | 36                   | 6                   | AHF(t)-06-(*)-HB45-36 | 32 <sup>11</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>16</sub>  | 19 <sup>3</sup> / <sub>8</sub>   |
|                                                                                     | 36                   | 9                   | AHF(t)-09-(*)-HB45-36 | 33 <sup>3</sup> / <sub>4</sub>   | 14                               | 19 <sup>3</sup> / <sub>4</sub>   |
|                                                                                     | 36                   | 12                  | AHF(t)-12-(*)-HB45-36 | 34 <sup>13</sup> / <sub>16</sub> | 14 <sup>7</sup> / <sub>16</sub>  | 20 <sup>3</sup> / <sub>8</sub>   |
|                                                                                     | 36                   | 18                  | AHF(t)-18-(*)-HB45-36 | 36 <sup>15</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub>  | 21 <sup>5</sup> / <sub>8</sub>   |
|                                                                                     | 36                   | 24                  | AHF(t)-24-(*)-HB45-36 | 39 <sup>1</sup> / <sub>16</sub>  | 16 <sup>3</sup> / <sub>16</sub>  | 22 <sup>7</sup> / <sub>8</sub>   |
|                                                                                     | 36                   | 30                  | AHF(t)-30-(*)-HB45-36 | 41 <sup>3</sup> / <sub>16</sub>  | 17 <sup>1</sup> / <sub>16</sub>  | 24 <sup>1</sup> / <sub>8</sub>   |
|                                                                                     | 36                   | 36                  | AHF(t)-36-(*)-HB45-36 | 43 <sup>5</sup> / <sub>16</sub>  | 17 <sup>15</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>8</sub>   |
|                                                                                     | 36                   | 42                  | AHF(t)-42-(*)-HB45-36 | 45 <sup>7</sup> / <sub>16</sub>  | 18 <sup>13</sup> / <sub>16</sub> | 26 <sup>5</sup> / <sub>8</sub>   |
|                                                                                     | 48                   | 6                   | AHF(t)-06-(*)-HB45-48 | 41 <sup>3</sup> / <sub>16</sub>  | 17 <sup>1</sup> / <sub>16</sub>  | 24 <sup>1</sup> / <sub>8</sub>   |
|                                                                                     | 48                   | 9                   | AHF(t)-09-(*)-HB45-48 | 42 <sup>1</sup> / <sub>4</sub>   | 17 <sup>1</sup> / <sub>2</sub>   | 24 <sup>3</sup> / <sub>4</sub>   |
|                                                                                     | 48                   | 12                  | AHF(t)-12-(*)-HB45-48 | 43 <sup>5</sup> / <sub>16</sub>  | 17 <sup>7</sup> / <sub>16</sub>  | 25 <sup>3</sup> / <sub>8</sub>   |
|                                                                                     | 48                   | 18                  | AHF(t)-18-(*)-HB45-48 | 45 <sup>7</sup> / <sub>16</sub>  | 18 <sup>3</sup> / <sub>16</sub>  | 26 <sup>5</sup> / <sub>8</sub>   |
|                                                                                     | 48                   | 24                  | AHF(t)-24-(*)-HB45-48 | 47 <sup>9</sup> / <sub>16</sub>  | 19 <sup>11</sup> / <sub>16</sub> | 27 <sup>3</sup> / <sub>4</sub>   |
|                                                                                     | 48                   | 30                  | AHF(t)-30-(*)-HB45-48 | 49 <sup>11</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub>  | 29 <sup>3</sup> / <sub>8</sub>   |
|                                                                                     | 48                   | 36                  | AHF(t)-36-(*)-HB45-48 | 51 <sup>13</sup> / <sub>16</sub> | 21 <sup>7</sup> / <sub>16</sub>  | 30 <sup>5</sup> / <sub>16</sub>  |
|                                                                                     | 48                   | 42                  | AHF(t)-42-(*)-HB45-48 | 53 <sup>15</sup> / <sub>16</sub> | 22 <sup>5</sup> / <sub>16</sub>  | 31 <sup>7</sup> / <sub>16</sub>  |

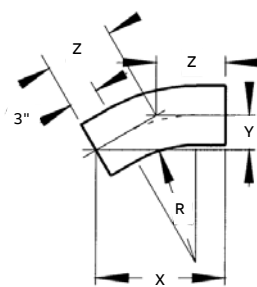
(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



### 30° Horizontal bend – H-style

|                                                                                     | Nominal<br>radius (in.) | Nominal<br>width (in.) | Cat. no.              | Dimensions (in.)               |                                  |                                  |
|-------------------------------------------------------------------------------------|-------------------------|------------------------|-----------------------|--------------------------------|----------------------------------|----------------------------------|
|                                                                                     |                         |                        |                       | X                              | Y                                | Z                                |
|    | 12                      | 6                      | AHF(t)-06-(*)-HB30-12 | 13 <sup>1</sup> / <sub>8</sub> | 3 <sup>1</sup> / <sub>2</sub>    | 7                                |
|                                                                                     | 12                      | 9                      | AHF(t)-09-(*)-HB30-12 | 13 <sup>7</sup> / <sub>8</sub> | 3 <sup>11</sup> / <sub>16</sub>  | 7 <sup>7</sup> / <sub>16</sub>   |
|                                                                                     | 12                      | 12                     | AHF(t)-12-(*)-HB30-12 | 14 <sup>5</sup> / <sub>8</sub> | 3 <sup>15</sup> / <sub>16</sub>  | 7 <sup>13</sup> / <sub>16</sub>  |
|                                                                                     | 12                      | 18                     | AHF(t)-18-(*)-HB30-12 | 16 <sup>1</sup> / <sub>8</sub> | 4 <sup>1</sup> / <sub>16</sub>   | 8 <sup>5</sup> / <sub>8</sub>    |
|                                                                                     | 12                      | 24                     | AHF(t)-24-(*)-HB30-12 | 17 <sup>7</sup> / <sub>8</sub> | 4 <sup>11</sup> / <sub>16</sub>  | 9 <sup>7</sup> / <sub>8</sub>    |
|                                                                                     | 12                      | 30                     | AHF(t)-30-(*)-HB30-12 | 19 <sup>1</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>8</sub>    | 10 <sup>1</sup> / <sub>4</sub>   |
|                                                                                     | 12                      | 36                     | AHF(t)-36-(*)-HB30-12 | 20 <sup>5</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>2</sub>    | 11 <sup>1</sup> / <sub>16</sub>  |
|                                                                                     | 12                      | 42                     | AHF(t)-42-(*)-HB30-12 | 22 <sup>1</sup> / <sub>8</sub> | 5 <sup>7</sup> / <sub>8</sub>    | 12 <sup>3</sup> / <sub>16</sub>  |
|                                                                                     | 24                      | 6                      | AHF(t)-06-(*)-HB30-24 | 19 <sup>1</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>8</sub>    | 10 <sup>1</sup> / <sub>4</sub>   |
|                                                                                     | 24                      | 9                      | AHF(t)-09-(*)-HB30-24 | 19 <sup>7</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>16</sub>   | 10 <sup>5</sup> / <sub>16</sub>  |
|                                                                                     | 24                      | 12                     | AHF(t)-12-(*)-HB30-24 | 20 <sup>5</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>2</sub>    | 11 <sup>1</sup> / <sub>16</sub>  |
|                                                                                     | 24                      | 18                     | AHF(t)-18-(*)-HB30-24 | 22 <sup>1</sup> / <sub>8</sub> | 5 <sup>5</sup> / <sub>16</sub>   | 11 <sup>13</sup> / <sub>16</sub> |
|                                                                                     | 24                      | 24                     | AHF(t)-24-(*)-HB30-24 | 23 <sup>3</sup> / <sub>8</sub> | 6 <sup>1</sup> / <sub>16</sub>   | 12 <sup>3</sup> / <sub>8</sub>   |
|                                                                                     | 24                      | 30                     | AHF(t)-30-(*)-HB30-24 | 25 <sup>1</sup> / <sub>8</sub> | 6 <sup>3</sup> / <sub>4</sub>    | 13 <sup>3</sup> / <sub>16</sub>  |
|                                                                                     | 24                      | 36                     | AHF(t)-36-(*)-HB30-24 | 26 <sup>5</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>8</sub>    | 14 <sup>1</sup> / <sub>4</sub>   |
|                                                                                     | 24                      | 42                     | AHF(t)-42-(*)-HB30-24 | 28 <sup>1</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>2</sub>    | 15 <sup>1</sup> / <sub>16</sub>  |
|  | 36                      | 6                      | AHF(t)-06-(*)-HB30-36 | 25 <sup>1</sup> / <sub>8</sub> | 6 <sup>3</sup> / <sub>4</sub>    | 13 <sup>3</sup> / <sub>16</sub>  |
|                                                                                     | 36                      | 9                      | AHF(t)-09-(*)-HB30-36 | 25 <sup>7</sup> / <sub>8</sub> | 6 <sup>15</sup> / <sub>16</sub>  | 13 <sup>7</sup> / <sub>8</sub>   |
|                                                                                     | 36                      | 12                     | AHF(t)-12-(*)-HB30-36 | 26 <sup>5</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>8</sub>    | 14 <sup>1</sup> / <sub>4</sub>   |
|                                                                                     | 36                      | 18                     | AHF(t)-18-(*)-HB30-36 | 28 <sup>1</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>2</sub>    | 15 <sup>1</sup> / <sub>16</sub>  |
|                                                                                     | 36                      | 24                     | AHF(t)-24-(*)-HB30-36 | 29 <sup>1</sup> / <sub>8</sub> | 7 <sup>15</sup> / <sub>16</sub>  | 15 <sup>7</sup> / <sub>8</sub>   |
|                                                                                     | 36                      | 30                     | AHF(t)-30-(*)-HB30-36 | 31 <sup>1</sup> / <sub>8</sub> | 8 <sup>5</sup> / <sub>16</sub>   | 16 <sup>11</sup> / <sub>16</sub> |
|                                                                                     | 36                      | 36                     | AHF(t)-36-(*)-HB30-36 | 32 <sup>5</sup> / <sub>8</sub> | 8 <sup>3</sup> / <sub>4</sub>    | 17 <sup>1</sup> / <sub>2</sub>   |
|                                                                                     | 36                      | 42                     | AHF(t)-42-(*)-HB30-36 | 34 <sup>1</sup> / <sub>8</sub> | 9 <sup>1</sup> / <sub>8</sub>    | 18 <sup>5</sup> / <sub>16</sub>  |
|                                                                                     | 48                      | 6                      | AHF(t)-06-(*)-HB30-48 | 31 <sup>1</sup> / <sub>8</sub> | 8 <sup>5</sup> / <sub>16</sub>   | 16 <sup>11</sup> / <sub>16</sub> |
|                                                                                     | 48                      | 9                      | AHF(t)-09-(*)-HB30-48 | 31 <sup>7</sup> / <sub>8</sub> | 8 <sup>1</sup> / <sub>16</sub>   | 17 <sup>1</sup> / <sub>16</sub>  |
|                                                                                     | 48                      | 12                     | AHF(t)-12-(*)-HB30-48 | 32 <sup>5</sup> / <sub>8</sub> | 8 <sup>3</sup> / <sub>4</sub>    | 17 <sup>1</sup> / <sub>2</sub>   |
|                                                                                     | 48                      | 18                     | AHF(t)-18-(*)-HB30-48 | 34 <sup>1</sup> / <sub>8</sub> | 9 <sup>1</sup> / <sub>8</sub>    | 18 <sup>1</sup> / <sub>4</sub>   |
|                                                                                     | 48                      | 24                     | AHF(t)-24-(*)-HB30-48 | 35 <sup>5</sup> / <sub>8</sub> | 9 <sup>9</sup> / <sub>16</sub>   | 19 <sup>3</sup> / <sub>16</sub>  |
|                                                                                     | 48                      | 30                     | AHF(t)-30-(*)-HB30-48 | 37 <sup>1</sup> / <sub>8</sub> | 9 <sup>15</sup> / <sub>16</sub>  | 19 <sup>7</sup> / <sub>8</sub>   |
|                                                                                     | 48                      | 36                     | AHF(t)-36-(*)-HB30-48 | 38 <sup>5</sup> / <sub>8</sub> | 10 <sup>5</sup> / <sub>16</sub>  | 20 <sup>11</sup> / <sub>16</sub> |
|                                                                                     | 48                      | 42                     | AHF(t)-42-(*)-HB30-48 | 40 <sup>1</sup> / <sub>8</sub> | 10 <sup>11</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>2</sub>   |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

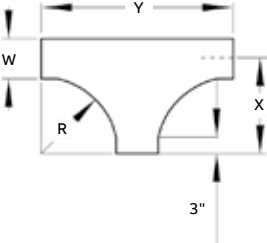
### Selection guide

- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 45°, 30°
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

Aluminum fittings

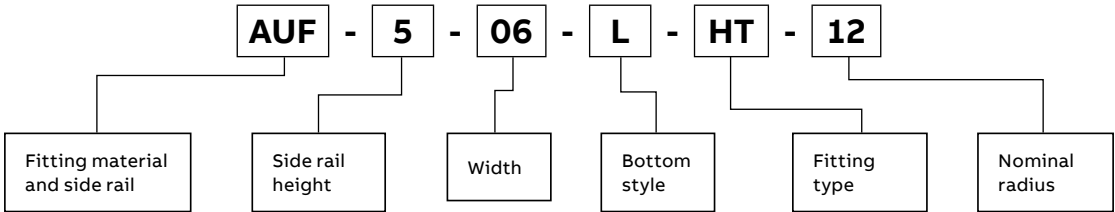
U-style horizontal tee and cross fittings

Horizontal tee – U-style

|                                                                                     | Nominal<br>radius (in.) | Nominal<br>width (in.) | Cat. no.           | Dimensions (in.) |     |
|-------------------------------------------------------------------------------------|-------------------------|------------------------|--------------------|------------------|-----|
|                                                                                     |                         |                        |                    | X                | Y   |
|    | 12                      | 6                      | AUF(t)-06-(*)-HT12 | 15               | 30  |
|                                                                                     | 12                      | 9                      | AUF(t)-09-(*)-HT12 | 16½              | 33  |
|                                                                                     | 12                      | 12                     | AUF(t)-12-(*)-HT12 | 18               | 36  |
|                                                                                     | 12                      | 18                     | AUF(t)-18-(*)-HT12 | 21               | 42  |
|                                                                                     | 12                      | 24                     | AUF(t)-24-(*)-HT12 | 24               | 48  |
|                                                                                     | 12                      | 30                     | AUF(t)-30-(*)-HT12 | 27               | 54  |
|                                                                                     | 12                      | 36                     | AUF(t)-36-(*)-HT12 | 30               | 60  |
|                                                                                     | 12                      | 42                     | AUF(t)-42-(*)-HT12 | 33               | 66  |
|                                                                                     | 24                      | 6                      | AUF(t)-06-(*)-HT24 | 27               | 54  |
|                                                                                     | 24                      | 9                      | AUF(t)-09-(*)-HT24 | 28½              | 57  |
|                                                                                     | 24                      | 12                     | AUF(t)-12-(*)-HT24 | 30               | 60  |
|                                                                                     | 24                      | 18                     | AUF(t)-18-(*)-HT24 | 33               | 66  |
|                                                                                     | 24                      | 24                     | AUF(t)-24-(*)-HT24 | 36               | 72  |
|                                                                                     | 24                      | 30                     | AUF(t)-30-(*)-HT24 | 39               | 78  |
|                                                                                     | 24                      | 36                     | AUF(t)-36-(*)-HT24 | 42               | 84  |
|                                                                                     | 24                      | 42                     | AUF(t)-42-(*)-HT24 | 45               | 90  |
|  | 36                      | 6                      | AUF(t)-06-(*)-HT36 | 39               | 78  |
|                                                                                     | 36                      | 9                      | AUF(t)-09-(*)-HT36 | 40½              | 81  |
|                                                                                     | 36                      | 12                     | AUF(t)-12-(*)-HT36 | 42               | 84  |
|                                                                                     | 36                      | 18                     | AUF(t)-18-(*)-HT36 | 45               | 90  |
|                                                                                     | 36                      | 24                     | AUF(t)-24-(*)-HT36 | 48               | 96  |
|                                                                                     | 36                      | 30                     | AUF(t)-30-(*)-HT36 | 51               | 102 |
|                                                                                     | 36                      | 36                     | AUF(t)-36-(*)-HT36 | 54               | 108 |
|                                                                                     | 36                      | 42                     | AUF(t)-42-(*)-HT36 | 57               | 114 |
|                                                                                     | 48                      | 6                      | AUF(t)-06-(*)-HT48 | 51               | 102 |
|                                                                                     | 48                      | 9                      | AUF(t)-09-(*)-HT48 | 52½              | 105 |
|                                                                                     | 48                      | 12                     | AUF(t)-12-(*)-HT48 | 54               | 108 |
|                                                                                     | 48                      | 18                     | AUF(t)-18-(*)-HT48 | 57               | 114 |
|                                                                                     | 48                      | 24                     | AUF(t)-24-(*)-HT48 | 60               | 120 |
|                                                                                     | 48                      | 30                     | AUF(t)-30-(*)-HT48 | 63               | 126 |
|                                                                                     | 48                      | 36                     | AUF(t)-36-(*)-HT48 | 66               | 132 |
|                                                                                     | 48                      | 42                     | AUF(t)-42-(*)-HT48 | 69               | 138 |

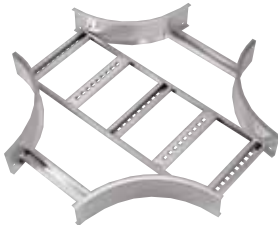
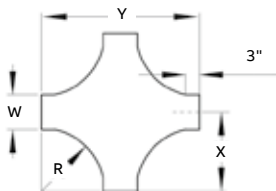
(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Tees include 2 pairs/crosses include 3 pairs of splice plates with hardware. T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

Part numbering system





## Horizontal cross – U-style

| Nominal<br>radius (in.) | Nominal<br>width (in.) | Cat. no.           | Dimensions (in.) |     |
|-------------------------|------------------------|--------------------|------------------|-----|
|                         |                        |                    | X                | Y   |
| 12                      | 6                      | AUF(t)-06-(*)-HX12 | 15               | 30  |
| 12                      | 9                      | AUF(t)-09-(*)-HX12 | 16½              | 33  |
| 12                      | 12                     | AUF(t)-12-(*)-HX12 | 18               | 36  |
| 12                      | 18                     | AUF(t)-18-(*)-HX12 | 21               | 42  |
| 12                      | 24                     | AUF(t)-24-(*)-HX12 | 24               | 48  |
| 12                      | 30                     | AUF(t)-30-(*)-HX12 | 27               | 54  |
| 12                      | 36                     | AUF(t)-36-(*)-HX12 | 30               | 60  |
| 12                      | 42                     | AUF(t)-42-(*)-HX12 | 33               | 66  |
| 24                      | 6                      | AUF(t)-06-(*)-HX24 | 27               | 54  |
| 24                      | 9                      | AUF(t)-09-(*)-HX24 | 28½              | 57  |
| 24                      | 12                     | AUF(t)-12-(*)-HX24 | 30               | 60  |
| 24                      | 18                     | AUF(t)-18-(*)-HX24 | 33               | 66  |
| 24                      | 24                     | AUF(t)-24-(*)-HX24 | 36               | 72  |
| 24                      | 30                     | AUF(t)-30-(*)-HX24 | 39               | 78  |
| 24                      | 36                     | AUF(t)-36-(*)-HX24 | 42               | 84  |
| 24                      | 42                     | AUF(t)-42-(*)-HX24 | 45               | 90  |
| 36                      | 6                      | AUF(t)-06-(*)-HX36 | 39               | 78  |
| 36                      | 9                      | AUF(t)-09-(*)-HX36 | 40½              | 81  |
| 36                      | 12                     | AUF(t)-12-(*)-HX36 | 42               | 84  |
| 36                      | 18                     | AUF(t)-18-(*)-HX36 | 45               | 90  |
| 36                      | 24                     | AUF(t)-24-(*)-HX36 | 48               | 96  |
| 36                      | 30                     | AUF(t)-30-(*)-HX36 | 51               | 102 |
| 36                      | 36                     | AUF(t)-36-(*)-HX36 | 54               | 108 |
| 36                      | 42                     | AUF(t)-42-(*)-HX36 | 57               | 114 |
| 48                      | 6                      | AUF(t)-06-(*)-HX48 | 51               | 102 |
| 48                      | 9                      | AUF(t)-09-(*)-HX48 | 52½              | 105 |
| 48                      | 12                     | AUF(t)-12-(*)-HX48 | 54               | 108 |
| 48                      | 18                     | AUF(t)-18-(*)-HX48 | 57               | 114 |
| 48                      | 24                     | AUF(t)-24-(*)-HX48 | 60               | 120 |
| 48                      | 30                     | AUF(t)-30-(*)-HX48 | 63               | 126 |
| 48                      | 36                     | AUF(t)-36-(*)-HX48 | 66               | 132 |
| 48                      | 42                     | AUF(t)-42-(*)-HX48 | 69               | 138 |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Tees include 2 pairs/crosses include 3 pairs of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

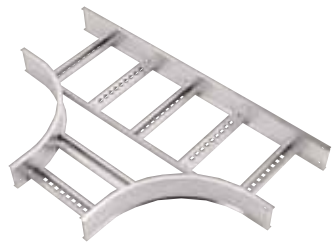
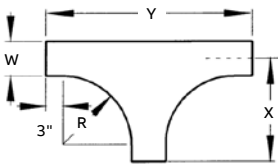
## Selection guide

- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

## Aluminum fittings

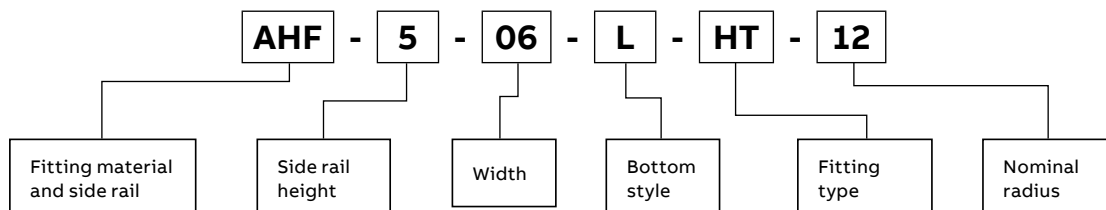
### H-style horizontal tee and cross fittings

#### Horizontal tee – H-style

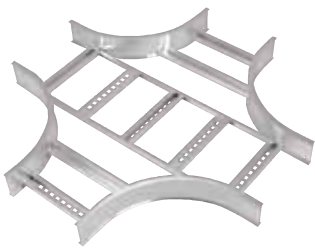
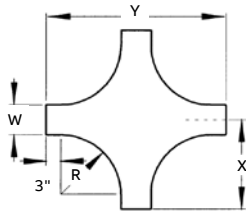
|                                                                                     | Nominal<br>radius (in.) | Nominal<br>width (in.) | Cat. no.           | Dimensions (in.) |     |
|-------------------------------------------------------------------------------------|-------------------------|------------------------|--------------------|------------------|-----|
|                                                                                     |                         |                        |                    | X                | Y   |
|    | 12                      | 6                      | AHF(t)-06-(*)-HT12 | 18               | 36  |
|                                                                                     | 12                      | 9                      | AHF(t)-09-(*)-HT12 | 19½              | 39  |
|                                                                                     | 12                      | 12                     | AHF(t)-12-(*)-HT12 | 21               | 42  |
|                                                                                     | 12                      | 18                     | AHF(t)-18-(*)-HT12 | 24               | 48  |
|                                                                                     | 12                      | 24                     | AHF(t)-24-(*)-HT12 | 27               | 54  |
|                                                                                     | 12                      | 30                     | AHF(t)-30-(*)-HT12 | 30               | 60  |
|                                                                                     | 12                      | 36                     | AHF(t)-36-(*)-HT12 | 33               | 66  |
|                                                                                     | 12                      | 42                     | AHF(t)-42-(*)-HT12 | 36               | 72  |
|                                                                                     | 24                      | 6                      | AHF(t)-06-(*)-HT24 | 30               | 60  |
|                                                                                     | 24                      | 9                      | AHF(t)-09-(*)-HT24 | 31½              | 63  |
|                                                                                     | 24                      | 12                     | AHF(t)-12-(*)-HT24 | 33               | 66  |
|                                                                                     | 24                      | 18                     | AHF(t)-18-(*)-HT24 | 36               | 72  |
|                                                                                     | 24                      | 24                     | AHF(t)-24-(*)-HT24 | 39               | 78  |
|                                                                                     | 24                      | 30                     | AHF(t)-30-(*)-HT24 | 42               | 84  |
|                                                                                     | 24                      | 36                     | AHF(t)-36-(*)-HT24 | 45               | 90  |
|                                                                                     | 24                      | 42                     | AHF(t)-42-(*)-HT24 | 48               | 96  |
|                                                                                     | 36                      | 6                      | AHF(t)-06-(*)-HT36 | 42               | 84  |
|                                                                                     | 36                      | 9                      | AHF(t)-09-(*)-HT36 | 43½              | 87  |
|                                                                                     | 36                      | 12                     | AHF(t)-12-(*)-HT36 | 45               | 90  |
|                                                                                     | 36                      | 18                     | AHF(t)-18-(*)-HT36 | 48               | 96  |
|                                                                                     | 36                      | 24                     | AHF(t)-24-(*)-HT36 | 51               | 102 |
|                                                                                     | 36                      | 30                     | AHF(t)-30-(*)-HT36 | 54               | 108 |
|                                                                                     | 36                      | 36                     | AHF(t)-36-(*)-HT36 | 57               | 114 |
|                                                                                     | 36                      | 42                     | AHF(t)-42-(*)-HT36 | 60               | 120 |
|  | 48                      | 6                      | AHF(t)-06-(*)-HT48 | 54               | 108 |
|                                                                                     | 48                      | 9                      | AHF(t)-09-(*)-HT48 | 55½              | 111 |
|                                                                                     | 48                      | 12                     | AHF(t)-12-(*)-HT48 | 57               | 114 |
|                                                                                     | 48                      | 18                     | AHF(t)-18-(*)-HT48 | 60               | 120 |
|                                                                                     | 48                      | 24                     | AHF(t)-24-(*)-HT48 | 63               | 126 |
|                                                                                     | 48                      | 30                     | AHF(t)-30-(*)-HT48 | 66               | 132 |
|                                                                                     | 48                      | 36                     | AHF(t)-36-(*)-HT48 | 69               | 138 |
|                                                                                     | 48                      | 42                     | AHF(t)-42-(*)-HT48 | 72               | 144 |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Tees include 2 pairs/crosses include 3 pairs of splice plates with hardware. T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



## Horizontal cross – H-style

|                                                                                     | Nominal<br>radius (in.) | Nominal<br>width (in.) | Cat. no.           | Dimensions (in.) |     |
|-------------------------------------------------------------------------------------|-------------------------|------------------------|--------------------|------------------|-----|
|                                                                                     |                         |                        |                    | X                | Y   |
|    | 12                      | 6                      | AHF(t)-06-(*)-HX12 | 18               | 36  |
|                                                                                     | 12                      | 9                      | AHF(t)-09-(*)-HX12 | 19½              | 39  |
|                                                                                     | 12                      | 12                     | AHF(t)-12-(*)-HX12 | 21               | 42  |
|                                                                                     | 12                      | 18                     | AHF(t)-18-(*)-HX12 | 24               | 48  |
|                                                                                     | 12                      | 24                     | AHF(t)-24-(*)-HX12 | 27               | 54  |
|                                                                                     | 12                      | 30                     | AHF(t)-30-(*)-HX12 | 30               | 60  |
|                                                                                     | 12                      | 36                     | AHF(t)-36-(*)-HX12 | 33               | 66  |
|                                                                                     | 12                      | 42                     | AHF(t)-42-(*)-HX12 | 36               | 72  |
|                                                                                     | 24                      | 6                      | AHF(t)-06-(*)-HX24 | 30               | 60  |
|                                                                                     | 24                      | 9                      | AHF(t)-09-(*)-HX24 | 31½              | 63  |
|                                                                                     | 24                      | 12                     | AHF(t)-12-(*)-HX24 | 33               | 66  |
|                                                                                     | 24                      | 18                     | AHF(t)-18-(*)-HX24 | 36               | 72  |
|                                                                                     | 24                      | 24                     | AHF(t)-24-(*)-HX24 | 39               | 78  |
|                                                                                     | 24                      | 30                     | AHF(t)-30-(*)-HX24 | 42               | 84  |
|                                                                                     | 24                      | 36                     | AHF(t)-36-(*)-HX24 | 45               | 90  |
|                                                                                     | 24                      | 42                     | AHF(t)-42-(*)-HX24 | 48               | 96  |
|                                                                                     | 36                      | 6                      | AHF(t)-06-(*)-HX36 | 42               | 84  |
|                                                                                     | 36                      | 9                      | AHF(t)-09-(*)-HX36 | 43½              | 87  |
|                                                                                     | 36                      | 12                     | AHF(t)-12-(*)-HX36 | 45               | 90  |
|                                                                                     | 36                      | 18                     | AHF(t)-18-(*)-HX36 | 48               | 96  |
|                                                                                     | 36                      | 24                     | AHF(t)-24-(*)-HX36 | 51               | 102 |
|                                                                                     | 36                      | 30                     | AHF(t)-30-(*)-HX36 | 54               | 108 |
|                                                                                     | 36                      | 36                     | AHF(t)-36-(*)-HX36 | 57               | 114 |
|                                                                                     | 36                      | 42                     | AHF(t)-42-(*)-HX36 | 60               | 120 |
|  | 48                      | 6                      | AHF(t)-06-(*)-HX48 | 54               | 108 |
|                                                                                     | 48                      | 9                      | AHF(t)-09-(*)-HX48 | 55½              | 111 |
|                                                                                     | 48                      | 12                     | AHF(t)-12-(*)-HX48 | 57               | 114 |
|                                                                                     | 48                      | 18                     | AHF(t)-18-(*)-HX48 | 60               | 120 |
|                                                                                     | 48                      | 24                     | AHF(t)-24-(*)-HX48 | 63               | 126 |
|                                                                                     | 48                      | 30                     | AHF(t)-30-(*)-HX48 | 66               | 132 |
|                                                                                     | 48                      | 36                     | AHF(t)-36-(*)-HX48 | 69               | 138 |
|                                                                                     | 48                      | 42                     | AHF(t)-42-(*)-HX48 | 72               | 144 |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Tees include 2 pairs/crosses include 3 pairs of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

## Selection guide

- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

## Aluminum fittings

### U-style horizontal reducing tee fittings

#### Selection guide

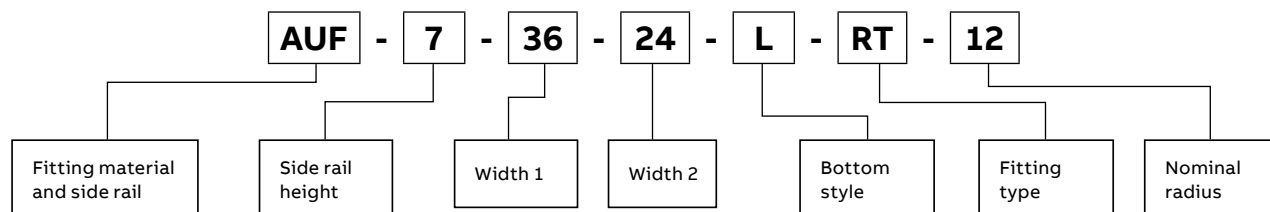
- Tray widths W1: 42, 36, 30, 24, 18, 12, 9 in.
- Tray widths W2: 36, 30, 24, 18, 12, 9, 6 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

#### Horizontal reducing tee – U-style

| Widths (in.) |    |                       | Dimensions (in.)            |    |                             |    |                             |     |                             |     |
|--------------|----|-----------------------|-----------------------------|----|-----------------------------|----|-----------------------------|-----|-----------------------------|-----|
|              |    |                       | (+ 12 in.<br>Nominal radius |    | (+ 24 in.<br>Nominal radius |    | (+ 36 in.<br>Nominal radius |     | (+ 48 in.<br>Nominal radius |     |
| W1           | W2 | Cat. no.              | X                           | Y  | X                           | Y  | X                           | Y   | X                           | Y   |
| 42           | 36 | AUF(t)-4236-(*)-RT(+) | 33                          | 60 | 45                          | 84 | 57                          | 108 | 69                          | 132 |
| 42           | 30 | AUF(t)-4230-(*)-RT(+) | 33                          | 54 | 45                          | 78 | 57                          | 102 | 69                          | 126 |
| 42           | 24 | AUF(t)-4224-(*)-RT(+) | 33                          | 48 | 45                          | 72 | 57                          | 96  | 69                          | 120 |
| 42           | 18 | AUF(t)-4218-(*)-RT(+) | 33                          | 42 | 45                          | 66 | 57                          | 90  | 69                          | 114 |
| 42           | 12 | AUF(t)-4212-(*)-RT(+) | 33                          | 36 | 45                          | 60 | 57                          | 84  | 69                          | 108 |
| 42           | 9  | AUF(t)-4209-(*)-RT(+) | 33                          | 33 | 45                          | 57 | 57                          | 81  | 69                          | 105 |
| 42           | 6  | AUF(t)-4206-(*)-RT(+) | 33                          | 30 | 45                          | 54 | 57                          | 78  | 69                          | 102 |
| 36           | 30 | AUF(t)-3630-(*)-RT(+) | 30                          | 54 | 42                          | 78 | 54                          | 102 | 66                          | 126 |
| 36           | 24 | AUF(t)-3624-(*)-RT(+) | 30                          | 48 | 42                          | 72 | 54                          | 96  | 66                          | 120 |
| 36           | 18 | AUF(t)-3618-(*)-RT(+) | 30                          | 42 | 42                          | 66 | 54                          | 90  | 66                          | 114 |
| 36           | 12 | AUF(t)-3612-(*)-RT(+) | 30                          | 36 | 42                          | 60 | 54                          | 84  | 66                          | 108 |
| 36           | 9  | AUF(t)-3609-(*)-RT(+) | 30                          | 33 | 42                          | 57 | 54                          | 81  | 66                          | 105 |
| 36           | 6  | AUF(t)-3606-(*)-RT(+) | 30                          | 30 | 42                          | 54 | 54                          | 78  | 66                          | 102 |
| 30           | 24 | AUF(t)-3024-(*)-RT(+) | 27                          | 48 | 39                          | 72 | 51                          | 96  | 63                          | 120 |
| 30           | 18 | AUF(t)-3018-(*)-RT(+) | 27                          | 42 | 39                          | 66 | 51                          | 90  | 63                          | 114 |
| 30           | 12 | AUF(t)-3012-(*)-RT(+) | 27                          | 36 | 39                          | 60 | 51                          | 84  | 63                          | 108 |
| 30           | 9  | AUF(t)-3009-(*)-RT(+) | 27                          | 33 | 39                          | 57 | 51                          | 81  | 63                          | 105 |
| 30           | 6  | AUF(t)-3006-(*)-RT(+) | 27                          | 30 | 39                          | 54 | 51                          | 78  | 63                          | 102 |
| 24           | 18 | AUF(t)-2418-(*)-RT(+) | 24                          | 42 | 36                          | 66 | 48                          | 90  | 60                          | 114 |
| 24           | 12 | AUF(t)-2412-(*)-RT(+) | 24                          | 36 | 36                          | 60 | 48                          | 84  | 60                          | 108 |
| 24           | 9  | AUF(t)-2409-(*)-RT(+) | 24                          | 33 | 36                          | 57 | 48                          | 81  | 60                          | 105 |
| 24           | 6  | AUF(t)-2406-(*)-RT(+) | 24                          | 30 | 36                          | 54 | 48                          | 78  | 60                          | 102 |
| 18           | 12 | AUF(t)-1812-(*)-RT(+) | 21                          | 36 | 33                          | 60 | 45                          | 84  | 57                          | 108 |
| 18           | 9  | AUF(t)-1809-(*)-RT(+) | 21                          | 33 | 33                          | 57 | 45                          | 81  | 57                          | 105 |
| 18           | 6  | AUF(t)-1806-(*)-RT(+) | 21                          | 30 | 33                          | 54 | 45                          | 78  | 57                          | 102 |
| 12           | 9  | AUF(t)-1209-(*)-RT(+) | 18                          | 33 | 30                          | 57 | 42                          | 81  | 54                          | 105 |
| 12           | 6  | AUF(t)-1206-(*)-RT(+) | 18                          | 30 | 30                          | 54 | 42                          | 78  | 54                          | 102 |
| 9            | 6  | AUF(t)-0906-(*)-RT(+) | 16½                         | 30 | 28½                         | 54 | 40½                         | 78  | 52½                         | 102 |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. (+) Insert radius (12 in. – 48 in.). Includes 2 pairs of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



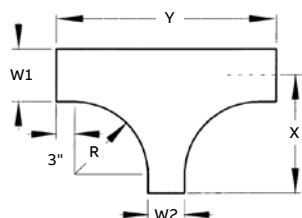
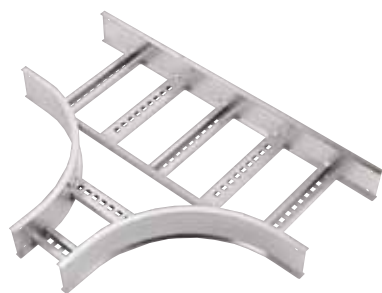
## Aluminum fittings

### H-style horizontal reducing tee fittings

#### Selection guide

- Tray widths W1: 42, 36, 30, 24, 18, 12, 9 in.
- Tray widths W2: 36, 30, 24, 18, 12, 9, 6 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

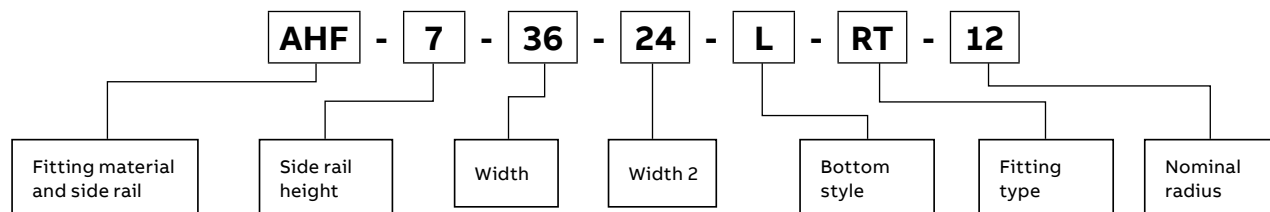
#### Horizontal reducing tee – H-style



| Widths (in.) |    |                       | Dimensions (in.) |    |                |    |                |     |                |     |
|--------------|----|-----------------------|------------------|----|----------------|----|----------------|-----|----------------|-----|
|              |    |                       | (+ ) 12 in.      |    | (+ ) 24 in.    |    | (+ ) 36 in.    |     | (+ ) 48 in.    |     |
|              |    |                       | Nominal radius   |    | Nominal radius |    | Nominal radius |     | Nominal radius |     |
| W1           | W2 | Cat. no.              | X                | Y  | X              | Y  | X              | Y   | X              | Y   |
| 42           | 36 | AHF(t)-4236-(*)-RT(+) | 36               | 66 | 48             | 90 | 60             | 114 | 72             | 138 |
| 42           | 30 | AHF(t)-4230-(*)-RT(+) | 36               | 60 | 48             | 84 | 60             | 108 | 72             | 132 |
| 42           | 24 | AHF(t)-4224-(*)-RT(+) | 36               | 54 | 48             | 78 | 60             | 102 | 72             | 126 |
| 42           | 18 | AHF(t)-4218-(*)-RT(+) | 36               | 48 | 48             | 72 | 60             | 96  | 72             | 120 |
| 42           | 12 | AHF(t)-4212-(*)-RT(+) | 36               | 42 | 48             | 66 | 60             | 90  | 72             | 114 |
| 42           | 9  | AHF(t)-4209-(*)-RT(+) | 36               | 39 | 48             | 63 | 60             | 87  | 72             | 111 |
| 42           | 6  | AHF(t)-4206-(*)-RT(+) | 36               | 36 | 48             | 60 | 60             | 84  | 72             | 108 |
| 36           | 30 | AHF(t)-3630-(*)-RT(+) | 33               | 60 | 45             | 84 | 57             | 108 | 69             | 132 |
| 36           | 24 | AHF(t)-3624-(*)-RT(+) | 33               | 54 | 45             | 78 | 57             | 102 | 69             | 126 |
| 36           | 18 | AHF(t)-3618-(*)-RT(+) | 33               | 48 | 45             | 72 | 57             | 96  | 69             | 120 |
| 36           | 12 | AHF(t)-3612-(*)-RT(+) | 33               | 42 | 45             | 66 | 57             | 90  | 69             | 114 |
| 36           | 9  | AHF(t)-3609-(*)-RT(+) | 33               | 39 | 45             | 63 | 57             | 87  | 69             | 111 |
| 36           | 6  | AHF(t)-3606-(*)-RT(+) | 33               | 36 | 45             | 60 | 57             | 84  | 69             | 108 |
| 30           | 24 | AHF(t)-3024-(*)-RT(+) | 30               | 54 | 42             | 78 | 54             | 102 | 66             | 126 |
| 30           | 18 | AHF(t)-3018-(*)-RT(+) | 30               | 48 | 42             | 72 | 54             | 96  | 66             | 120 |
| 30           | 12 | AHF(t)-3012-(*)-RT(+) | 30               | 42 | 42             | 66 | 54             | 90  | 66             | 114 |
| 30           | 9  | AHF(t)-3009-(*)-RT(+) | 30               | 39 | 42             | 63 | 54             | 87  | 66             | 111 |
| 30           | 6  | AHF(t)-3006-(*)-RT(+) | 30               | 36 | 42             | 60 | 54             | 84  | 66             | 108 |
| 24           | 18 | AHF(t)-2418-(*)-RT(+) | 27               | 48 | 39             | 72 | 51             | 96  | 63             | 120 |
| 24           | 12 | AHF(t)-2412-(*)-RT(+) | 27               | 42 | 39             | 66 | 51             | 90  | 63             | 114 |
| 24           | 9  | AHF(t)-2409-(*)-RT(+) | 27               | 39 | 39             | 63 | 51             | 87  | 63             | 111 |
| 24           | 6  | AHF(t)-2406-(*)-RT(+) | 27               | 36 | 39             | 60 | 51             | 84  | 63             | 108 |
| 18           | 12 | AHF(t)-1812-(*)-RT(+) | 24               | 42 | 36             | 66 | 48             | 90  | 60             | 114 |
| 18           | 9  | AHF(t)-1809-(*)-RT(+) | 24               | 39 | 36             | 63 | 48             | 87  | 60             | 111 |
| 18           | 6  | AHF(t)-1806-(*)-RT(+) | 24               | 36 | 36             | 60 | 48             | 84  | 60             | 108 |
| 12           | 9  | AHF(t)-1209-(*)-RT(+) | 21               | 39 | 33             | 63 | 45             | 87  | 57             | 111 |
| 12           | 6  | AHF(t)-1206-(*)-RT(+) | 21               | 36 | 33             | 60 | 45             | 84  | 57             | 108 |
| 9            | 6  | AHF(t)-0906-(*)-RT(+) | 19½              | 36 | 31½            | 60 | 43½            | 84  | 55½            | 108 |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. (+) Insert radius (12 in. – 48 in.). Includes 2 pairs of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



## Aluminum fittings

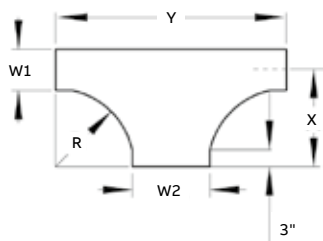
### U-style horizontal expanding tee fittings

#### Selection guide

- Tray widths W1: 36, 30, 24, 18, 12, 9, 6 in.
- Tray widths W2: 42, 36, 30, 24, 18, 12, 9 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

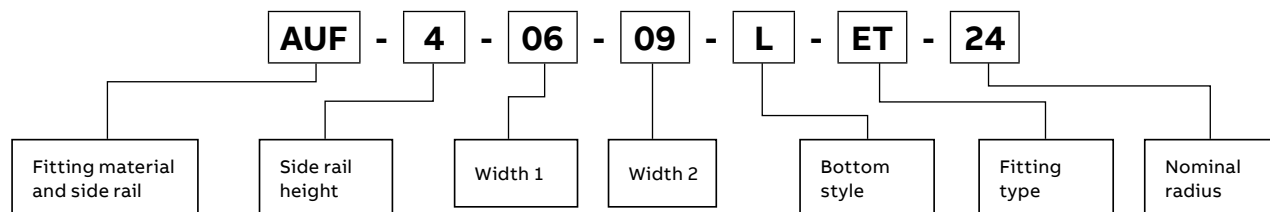
#### Horizontal expanding tee – U-style

| Widths (in.) |    |                       | Dimensions (in.)              |    |                               |    |                               |     |                               |     |
|--------------|----|-----------------------|-------------------------------|----|-------------------------------|----|-------------------------------|-----|-------------------------------|-----|
|              |    |                       | (+ ) 12 in.<br>Nominal radius |    | (+ ) 24 in.<br>Nominal radius |    | (+ ) 36 in.<br>Nominal radius |     | (+ ) 48 in.<br>Nominal radius |     |
| W1           | W2 | Cat. no.              | X                             | Y  | X                             | Y  | X                             | Y   | X                             | Y   |
| 36           | 42 | AUF(t)-3642-(*)-ET(+) | 30                            | 66 | 42                            | 90 | 54                            | 114 | 66                            | 138 |
| 30           | 36 | AUF(t)-3036-(*)-ET(+) | 27                            | 60 | 39                            | 84 | 51                            | 108 | 63                            | 132 |
| 30           | 42 | AUF(t)-3042-(*)-ET(+) | 27                            | 66 | 39                            | 90 | 51                            | 114 | 63                            | 138 |
| 24           | 30 | AUF(t)-2430-(*)-ET(+) | 24                            | 54 | 36                            | 78 | 48                            | 102 | 60                            | 126 |
| 24           | 36 | AUF(t)-2436-(*)-ET(+) | 24                            | 60 | 36                            | 84 | 48                            | 108 | 60                            | 132 |
| 24           | 42 | AUF(t)-2442-(*)-ET(+) | 24                            | 66 | 36                            | 90 | 48                            | 114 | 60                            | 138 |
| 18           | 24 | AUF(t)-1824-(*)-ET(+) | 21                            | 48 | 33                            | 72 | 45                            | 96  | 57                            | 120 |
| 18           | 30 | AUF(t)-1830-(*)-ET(+) | 21                            | 54 | 33                            | 78 | 45                            | 102 | 57                            | 126 |
| 18           | 36 | AUF(t)-1836-(*)-ET(+) | 21                            | 60 | 33                            | 84 | 45                            | 108 | 57                            | 132 |
| 18           | 42 | AUF(t)-1842-(*)-ET(+) | 21                            | 66 | 33                            | 90 | 45                            | 114 | 57                            | 138 |
| 12           | 18 | AUF(t)-1218-(*)-ET(+) | 18                            | 42 | 30                            | 66 | 42                            | 90  | 54                            | 114 |
| 12           | 24 | AUF(t)-1224-(*)-ET(+) | 18                            | 48 | 30                            | 72 | 42                            | 96  | 54                            | 120 |
| 12           | 30 | AUF(t)-1230-(*)-ET(+) | 18                            | 54 | 30                            | 78 | 42                            | 102 | 54                            | 126 |
| 12           | 36 | AUF(t)-1236-(*)-ET(+) | 18                            | 60 | 30                            | 84 | 42                            | 108 | 54                            | 132 |
| 12           | 42 | AUF(t)-1242-(*)-ET(+) | 18                            | 66 | 30                            | 90 | 42                            | 114 | 54                            | 138 |
| 9            | 12 | AUF(t)-0912-(*)-ET(+) | 16½                           | 36 | 28½                           | 60 | 40½                           | 84  | 52½                           | 108 |
| 9            | 18 | AUF(t)-0918-(*)-ET(+) | 16½                           | 42 | 28½                           | 66 | 40½                           | 90  | 52½                           | 114 |
| 9            | 24 | AUF(t)-0924-(*)-ET(+) | 16½                           | 48 | 28½                           | 72 | 40½                           | 96  | 52½                           | 120 |
| 9            | 30 | AUF(t)-0930-(*)-ET(+) | 16½                           | 54 | 28½                           | 78 | 40½                           | 102 | 52½                           | 126 |
| 9            | 36 | AUF(t)-0936-(*)-ET(+) | 16½                           | 60 | 28½                           | 84 | 40½                           | 108 | 52½                           | 132 |
| 9            | 42 | AUF(t)-0942-(*)-ET(+) | 16½                           | 66 | 28½                           | 90 | 40½                           | 114 | 52½                           | 138 |
| 6            | 9  | AUF(t)-0609-(*)-ET(+) | 15                            | 33 | 27                            | 57 | 39                            | 81  | 51                            | 105 |
| 6            | 12 | AUF(t)-0612-(*)-ET(+) | 15                            | 36 | 27                            | 60 | 39                            | 84  | 51                            | 108 |
| 6            | 18 | AUF(t)-0618-(*)-ET(+) | 15                            | 42 | 27                            | 66 | 39                            | 90  | 51                            | 114 |
| 6            | 24 | AUF(t)-0624-(*)-ET(+) | 15                            | 48 | 27                            | 72 | 39                            | 96  | 51                            | 120 |
| 6            | 30 | AUF(t)-0630-(*)-ET(+) | 15                            | 54 | 27                            | 78 | 39                            | 102 | 51                            | 126 |
| 6            | 36 | AUF(t)-0636-(*)-ET(+) | 15                            | 60 | 27                            | 84 | 39                            | 108 | 51                            | 132 |
| 6            | 42 | AUF(t)-0642-(*)-ET(+) | 15                            | 66 | 27                            | 90 | 39                            | 114 | 51                            | 138 |



(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. (+) Insert radius (12 in. – 48 in.). Includes 2 pairs of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



## Aluminum fittings

### H-style horizontal expanding tee fittings

#### Selection guide

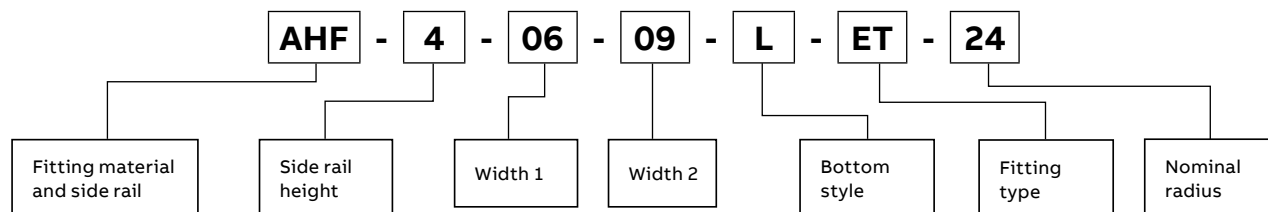
- Tray widths W1: 36, 30, 24, 18, 12, 9, 6 in.
- Tray widths W2: 42, 36, 30, 24, 18, 12, 9 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

#### Horizontal expanding tee – H-style

| Widths (in.) |    |                       | Dimensions (in.)              |    |                               |    |                               |     |                               |     |
|--------------|----|-----------------------|-------------------------------|----|-------------------------------|----|-------------------------------|-----|-------------------------------|-----|
|              |    |                       | (+ ) 12 in.<br>Nominal radius |    | (+ ) 24 in.<br>Nominal radius |    | (+ ) 36 in.<br>Nominal radius |     | (+ ) 48 in.<br>Nominal radius |     |
| W1           | W2 | Cat. no.              | X                             | Y  | X                             | Y  | X                             | Y   | X                             | Y   |
| 36           | 42 | AHF(t)-3642-(*)-ET(+) | 33                            | 72 | 45                            | 96 | 57                            | 120 | 69                            | 144 |
| 30           | 36 | AHF(t)-3036-(*)-ET(+) | 30                            | 66 | 42                            | 90 | 54                            | 114 | 66                            | 138 |
| 30           | 42 | AHF(t)-3042-(*)-ET(+) | 30                            | 72 | 42                            | 96 | 54                            | 120 | 66                            | 144 |
| 24           | 30 | AHF(t)-2430-(*)-ET(+) | 27                            | 60 | 39                            | 84 | 51                            | 108 | 63                            | 132 |
| 24           | 36 | AHF(t)-2436-(*)-ET(+) | 27                            | 66 | 39                            | 90 | 51                            | 114 | 63                            | 138 |
| 24           | 42 | AHF(t)-2442-(*)-ET(+) | 27                            | 72 | 39                            | 96 | 51                            | 120 | 63                            | 144 |
| 18           | 24 | AHF(t)-1824-(*)-ET(+) | 24                            | 54 | 36                            | 78 | 48                            | 102 | 60                            | 126 |
| 18           | 30 | AHF(t)-1830-(*)-ET(+) | 24                            | 60 | 36                            | 84 | 48                            | 108 | 60                            | 132 |
| 18           | 36 | AHF(t)-1836-(*)-ET(+) | 24                            | 66 | 36                            | 90 | 48                            | 114 | 60                            | 138 |
| 18           | 42 | AHF(t)-1842-(*)-ET(+) | 24                            | 72 | 36                            | 96 | 48                            | 120 | 60                            | 144 |
| 12           | 18 | AHF(t)-1218-(*)-ET(+) | 21                            | 48 | 33                            | 72 | 45                            | 96  | 57                            | 120 |
| 12           | 24 | AHF(t)-1224-(*)-ET(+) | 21                            | 54 | 33                            | 78 | 45                            | 102 | 57                            | 126 |
| 12           | 30 | AHF(t)-1230-(*)-ET(+) | 21                            | 60 | 33                            | 84 | 45                            | 108 | 57                            | 132 |
| 12           | 36 | AHF(t)-1236-(*)-ET(+) | 21                            | 66 | 33                            | 90 | 45                            | 114 | 57                            | 138 |
| 12           | 42 | AHF(t)-1242-(*)-ET(+) | 21                            | 72 | 33                            | 96 | 45                            | 120 | 57                            | 144 |
| 9            | 12 | AHF(t)-0912-(*)-ET(+) | 19½                           | 42 | 31½                           | 66 | 43½                           | 90  | 55½                           | 114 |
| 9            | 18 | AHF(t)-0918-(*)-ET(+) | 19½                           | 48 | 31½                           | 72 | 43½                           | 96  | 55½                           | 120 |
| 9            | 24 | AHF(t)-0924-(*)-ET(+) | 19½                           | 54 | 31½                           | 78 | 43½                           | 102 | 55½                           | 126 |
| 9            | 30 | AHF(t)-0930-(*)-ET(+) | 19½                           | 60 | 31½                           | 84 | 43½                           | 108 | 55½                           | 132 |
| 9            | 36 | AHF(t)-0936-(*)-ET(+) | 19½                           | 66 | 31½                           | 90 | 43½                           | 114 | 55½                           | 138 |
| 9            | 42 | AHF(t)-0942-(*)-ET(+) | 19½                           | 72 | 31½                           | 96 | 43½                           | 120 | 55½                           | 144 |
| 6            | 9  | AHF(t)-0609-(*)-ET(+) | 18                            | 39 | 30                            | 63 | 42                            | 87  | 54                            | 111 |
| 6            | 12 | AHF(t)-0612-(*)-ET(+) | 18                            | 42 | 30                            | 66 | 42                            | 90  | 54                            | 114 |
| 6            | 18 | AHF(t)-0618-(*)-ET(+) | 18                            | 48 | 30                            | 72 | 42                            | 96  | 54                            | 120 |
| 6            | 24 | AHF(t)-0624-(*)-ET(+) | 18                            | 54 | 30                            | 78 | 42                            | 102 | 54                            | 126 |
| 6            | 30 | AHF(t)-0630-(*)-ET(+) | 18                            | 60 | 30                            | 84 | 42                            | 108 | 54                            | 132 |
| 6            | 36 | AHF(t)-0636-(*)-ET(+) | 18                            | 66 | 30                            | 90 | 42                            | 114 | 54                            | 138 |
| 6            | 42 | AHF(t)-0642-(*)-ET(+) | 18                            | 72 | 30                            | 96 | 42                            | 120 | 54                            | 144 |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. (+) Insert radius (12 in. – 48 in.). Includes 2 pairs of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



## Aluminum fittings

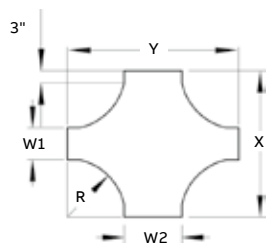
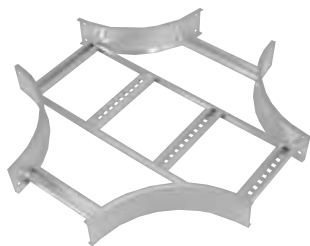
### U-style horizontal expanding cross fittings

#### Selection guide

- Tray widths W1: 36, 30, 24, 18, 12, 9, 6 in.
- Tray widths W2: 42, 36, 30, 24, 18, 12, 9 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

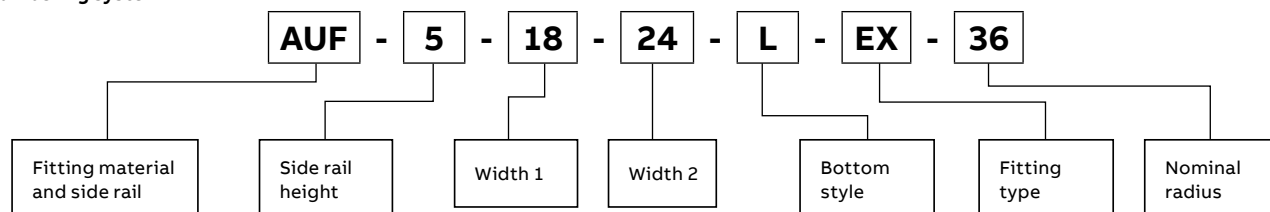
#### Horizontal expanding cross – U-style

| Widths (in.) |    |                       | Dimensions (in.)            |    |                             |    |                             |     |                             |     |
|--------------|----|-----------------------|-----------------------------|----|-----------------------------|----|-----------------------------|-----|-----------------------------|-----|
|              |    |                       | (+ 12 in.<br>Nominal radius |    | (+ 24 in.<br>Nominal radius |    | (+ 36 in.<br>Nominal radius |     | (+ 48 in.<br>Nominal radius |     |
| W1           | W2 | Cat. no.              | X                           | Y  | X                           | Y  | X                           | Y   | X                           | Y   |
| 36           | 42 | AUF(t)-3642-(*)-EX(+) | 60                          | 66 | 84                          | 90 | 108                         | 114 | 132                         | 138 |
| 30           | 36 | AUF(t)-3036-(*)-EX(+) | 54                          | 60 | 78                          | 84 | 102                         | 108 | 126                         | 132 |
| 30           | 42 | AUF(t)-3042-(*)-EX(+) | 54                          | 66 | 78                          | 90 | 102                         | 114 | 126                         | 138 |
| 24           | 30 | AUF(t)-2430-(*)-EX(+) | 48                          | 54 | 72                          | 78 | 96                          | 102 | 120                         | 126 |
| 24           | 36 | AUF(t)-2436-(*)-EX(+) | 48                          | 60 | 72                          | 84 | 96                          | 108 | 120                         | 132 |
| 24           | 42 | AUF(t)-2442-(*)-EX(+) | 48                          | 66 | 72                          | 90 | 96                          | 114 | 120                         | 138 |
| 18           | 24 | AUF(t)-1824-(*)-EX(+) | 42                          | 48 | 66                          | 72 | 90                          | 96  | 114                         | 120 |
| 18           | 30 | AUF(t)-1830-(*)-EX(+) | 42                          | 54 | 66                          | 78 | 90                          | 102 | 114                         | 126 |
| 18           | 36 | AUF(t)-1836-(*)-EX(+) | 42                          | 60 | 66                          | 84 | 90                          | 108 | 114                         | 132 |
| 18           | 42 | AUF(t)-1842-(*)-EX(+) | 42                          | 66 | 66                          | 90 | 90                          | 114 | 114                         | 138 |
| 12           | 18 | AUF(t)-1218-(*)-EX(+) | 36                          | 42 | 60                          | 66 | 84                          | 90  | 108                         | 114 |
| 12           | 24 | AUF(t)-1224-(*)-EX(+) | 36                          | 48 | 60                          | 72 | 84                          | 96  | 108                         | 120 |
| 12           | 30 | AUF(t)-1230-(*)-EX(+) | 36                          | 54 | 60                          | 78 | 84                          | 102 | 108                         | 126 |
| 12           | 36 | AUF(t)-1236-(*)-EX(+) | 36                          | 60 | 60                          | 84 | 84                          | 108 | 108                         | 132 |
| 12           | 42 | AUF(t)-1242-(*)-EX(+) | 36                          | 66 | 60                          | 90 | 84                          | 114 | 108                         | 138 |
| 9            | 12 | AUF(t)-0912-(*)-EX(+) | 33                          | 36 | 57                          | 60 | 81                          | 84  | 105                         | 108 |
| 9            | 18 | AUF(t)-0918-(*)-EX(+) | 33                          | 42 | 57                          | 66 | 81                          | 90  | 105                         | 114 |
| 9            | 24 | AUF(t)-0924-(*)-EX(+) | 33                          | 48 | 57                          | 72 | 81                          | 96  | 105                         | 120 |
| 9            | 30 | AUF(t)-0930-(*)-EX(+) | 33                          | 54 | 57                          | 78 | 81                          | 102 | 105                         | 126 |
| 9            | 36 | AUF(t)-0936-(*)-EX(+) | 33                          | 60 | 57                          | 84 | 81                          | 108 | 105                         | 132 |
| 9            | 42 | AUF(t)-0942-(*)-EX(+) | 33                          | 66 | 57                          | 90 | 81                          | 114 | 105                         | 138 |
| 6            | 9  | AUF(t)-0609-(*)-EX(+) | 30                          | 33 | 54                          | 57 | 78                          | 81  | 102                         | 105 |
| 6            | 12 | AUF(t)-0612-(*)-EX(+) | 30                          | 36 | 54                          | 60 | 78                          | 84  | 102                         | 108 |
| 6            | 18 | AUF(t)-0618-(*)-EX(+) | 30                          | 42 | 54                          | 66 | 78                          | 90  | 102                         | 114 |
| 6            | 24 | AUF(t)-0624-(*)-EX(+) | 30                          | 48 | 54                          | 72 | 78                          | 96  | 102                         | 120 |
| 6            | 30 | AUF(t)-0630-(*)-EX(+) | 30                          | 54 | 54                          | 78 | 78                          | 102 | 102                         | 126 |
| 6            | 36 | AUF(t)-0636-(*)-EX(+) | 30                          | 60 | 54                          | 84 | 78                          | 108 | 102                         | 132 |
| 6            | 42 | AUF(t)-0642-(*)-EX(+) | 30                          | 66 | 54                          | 90 | 78                          | 114 | 102                         | 138 |



(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. (+) Insert radius (12 in. – 48 in.). Includes 3 pairs of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems H-style and U-style. These systems are interchangeable.

#### Part numbering system





## Aluminum fittings

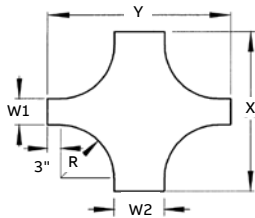
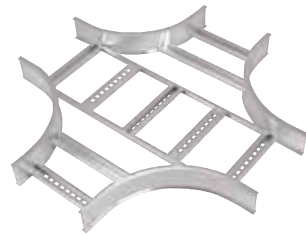
### H-style horizontal expanding cross fittings

#### Selection guide

- Tray widths W1: 36, 30, 24, 18, 12, 9, 6 in.
- Tray widths W2: 42, 36, 30, 24, 18, 12, 9 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

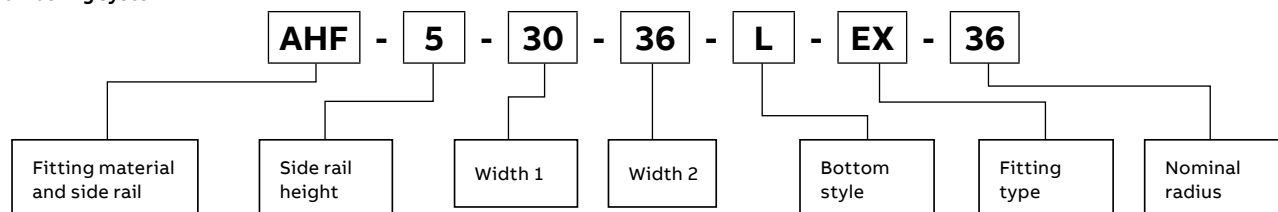
#### Horizontal expanding cross – H-style

| Widths (in.) |    |                       | Dimensions (in.)            |    |                             |    |                             |     |                             |     |
|--------------|----|-----------------------|-----------------------------|----|-----------------------------|----|-----------------------------|-----|-----------------------------|-----|
|              |    |                       | (+ 12 in.<br>Nominal radius |    | (+ 24 in.<br>Nominal radius |    | (+ 36 in.<br>Nominal radius |     | (+ 48 in.<br>Nominal radius |     |
| W1           | W2 | Cat. no.              | X                           | Y  | X                           | Y  | X                           | Y   | X                           | Y   |
| 36           | 42 | AHF(t)-3642-(*)-EX(+) | 66                          | 72 | 90                          | 96 | 114                         | 120 | 138                         | 144 |
| 30           | 36 | AHF(t)-3036-(*)-EX(+) | 60                          | 66 | 84                          | 90 | 108                         | 114 | 132                         | 138 |
| 30           | 42 | AHF(t)-3042-(*)-EX(+) | 60                          | 72 | 84                          | 96 | 108                         | 120 | 132                         | 144 |
| 24           | 30 | AHF(t)-2430-(*)-EX(+) | 54                          | 60 | 78                          | 84 | 102                         | 108 | 126                         | 132 |
| 24           | 36 | AHF(t)-2436-(*)-EX(+) | 54                          | 66 | 78                          | 90 | 102                         | 114 | 126                         | 138 |
| 24           | 42 | AHF(t)-2442-(*)-EX(+) | 54                          | 75 | 78                          | 96 | 102                         | 120 | 126                         | 144 |
| 18           | 24 | AHF(t)-1824-(*)-EX(+) | 48                          | 54 | 72                          | 78 | 96                          | 102 | 120                         | 126 |
| 18           | 30 | AHF(t)-1830-(*)-EX(+) | 48                          | 60 | 72                          | 84 | 96                          | 108 | 120                         | 132 |
| 18           | 36 | AHF(t)-1836-(*)-EX(+) | 48                          | 66 | 72                          | 90 | 96                          | 114 | 120                         | 138 |
| 18           | 42 | AHF(t)-1842-(*)-EX(+) | 48                          | 72 | 72                          | 96 | 96                          | 120 | 120                         | 144 |
| 12           | 18 | AHF(t)-1218-(*)-EX(+) | 42                          | 48 | 66                          | 72 | 90                          | 96  | 114                         | 120 |
| 12           | 24 | AHF(t)-1224-(*)-EX(+) | 42                          | 54 | 66                          | 78 | 90                          | 102 | 114                         | 126 |
| 12           | 30 | AHF(t)-1230-(*)-EX(+) | 42                          | 60 | 66                          | 84 | 90                          | 108 | 114                         | 132 |
| 12           | 36 | AHF(t)-1236-(*)-EX(+) | 42                          | 66 | 66                          | 90 | 90                          | 114 | 114                         | 138 |
| 12           | 42 | AHF(t)-1242-(*)-EX(+) | 42                          | 72 | 66                          | 96 | 90                          | 120 | 114                         | 144 |
| 9            | 12 | AHF(t)-0912-(*)-EX(+) | 39                          | 42 | 63                          | 66 | 87                          | 90  | 111                         | 114 |
| 9            | 18 | AHF(t)-0918-(*)-EX(+) | 39                          | 48 | 63                          | 72 | 87                          | 96  | 111                         | 120 |
| 9            | 24 | AHF(t)-0924-(*)-EX(+) | 39                          | 54 | 63                          | 78 | 87                          | 102 | 111                         | 126 |
| 9            | 30 | AHF(t)-0930-(*)-EX(+) | 39                          | 60 | 63                          | 84 | 87                          | 108 | 111                         | 132 |
| 9            | 36 | AHF(t)-0936-(*)-EX(+) | 39                          | 66 | 63                          | 90 | 87                          | 114 | 111                         | 138 |
| 9            | 42 | AHF(t)-0942-(*)-EX(+) | 39                          | 72 | 63                          | 96 | 87                          | 120 | 111                         | 144 |
| 6            | 9  | AHF(t)-0609-(*)-EX(+) | 36                          | 39 | 60                          | 63 | 84                          | 87  | 108                         | 111 |
| 6            | 12 | AHF(t)-0612-(*)-EX(+) | 36                          | 42 | 60                          | 66 | 84                          | 90  | 108                         | 114 |
| 6            | 18 | AHF(t)-0618-(*)-EX(+) | 36                          | 48 | 60                          | 72 | 84                          | 96  | 108                         | 120 |
| 6            | 24 | AHF(t)-0624-(*)-EX(+) | 36                          | 54 | 60                          | 78 | 84                          | 102 | 108                         | 126 |
| 6            | 30 | AHF(t)-0630-(*)-EX(+) | 36                          | 60 | 60                          | 84 | 84                          | 108 | 108                         | 132 |
| 6            | 36 | AHF(t)-0636-(*)-EX(+) | 36                          | 66 | 60                          | 90 | 84                          | 114 | 108                         | 138 |
| 6            | 42 | AHF(t)-0642-(*)-EX(+) | 36                          | 72 | 60                          | 96 | 84                          | 120 | 108                         | 144 |



(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. (+) Insert radius (12 in. – 48 in.). Includes 3 pairs of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



Aluminum fittings

U-style reducer fittings

Offset reducer – left



Reducer – straight



Offset reducer – right

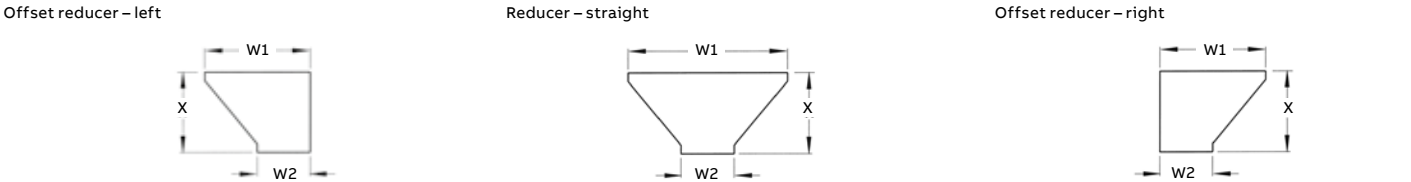


Horizontal reducers – U-style

| Widths (in.) |    |                          |                                  |
|--------------|----|--------------------------|----------------------------------|
| W1           | W2 | Left reducer<br>Cat. no. | Dim. X (in.)                     |
| 42           | 36 | AUF(†)-42-36-(*)-HLR     | 15 <sup>7</sup> / <sub>16</sub>  |
| 42           | 30 | AUF(†)-42-30-(*)-HLR     | 18 <sup>15</sup> / <sub>16</sub> |
| 42           | 24 | AUF(†)-42-24-(*)-HLR     | 22 <sup>3</sup> / <sub>8</sub>   |
| 42           | 18 | AUF(†)-42-18-(*)-HLR     | 25 <sup>7</sup> / <sub>8</sub>   |
| 42           | 12 | AUF(†)-42-12-(*)-HLR     | 29 <sup>9</sup> / <sub>16</sub>  |
| 42           | 9  | AUF(†)-42-09-(*)-HLR     | 31 <sup>1</sup> / <sub>16</sub>  |
| 42           | 6  | AUF(†)-42-06-(*)-HLR     | 32 <sup>3</sup> / <sub>4</sub>   |
| 36           | 30 | AUF(†)-36-30-(*)-HLR     | 15 <sup>7</sup> / <sub>16</sub>  |
| 36           | 24 | AUF(†)-36-24-(*)-HLR     | 18 <sup>15</sup> / <sub>16</sub> |
| 36           | 18 | AUF(†)-36-18-(*)-HLR     | 22 <sup>3</sup> / <sub>8</sub>   |
| 36           | 12 | AUF(†)-36-12-(*)-HLR     | 25 <sup>7</sup> / <sub>8</sub>   |
| 36           | 9  | AUF(†)-36-09-(*)-HLR     | 27 <sup>9</sup> / <sub>16</sub>  |
| 36           | 6  | AUF(†)-36-06-(*)-HLR     | 29 <sup>9</sup> / <sub>16</sub>  |

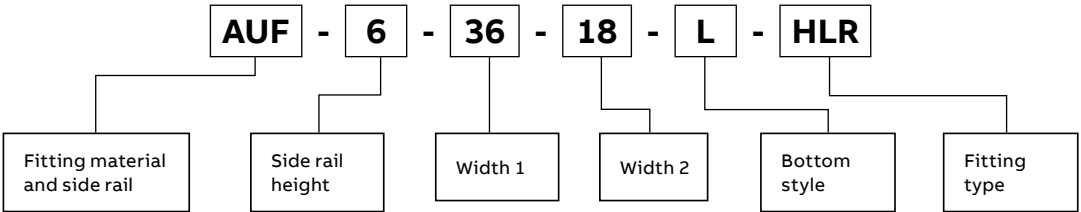
| Straight reducer<br>(concentric) |                                  |  |
|----------------------------------|----------------------------------|--|
| Cat. no.                         | Dim. X (in.)                     |  |
| AUF(†)-42-36-(*)-HSR             | 13 <sup>3</sup> / <sub>4</sub>   |  |
| AUF(†)-42-30-(*)-HSR             | 15 <sup>7</sup> / <sub>16</sub>  |  |
| AUF(†)-42-24-(*)-HSR             | 17 <sup>3</sup> / <sub>16</sub>  |  |
| AUF(†)-42-18-(*)-HSR             | 18 <sup>5</sup> / <sub>16</sub>  |  |
| AUF(†)-42-12-(*)-HSR             | 20 <sup>5</sup> / <sub>8</sub>   |  |
| AUF(†)-42-09-(*)-HSR             | 21 <sup>1</sup> / <sub>2</sub>   |  |
| AUF(†)-42-06-(*)-HSR             | 22 <sup>3</sup> / <sub>8</sub>   |  |
| AUF(†)-36-30-(*)-HSR             | 13 <sup>3</sup> / <sub>4</sub>   |  |
| AUF(†)-36-24-(*)-HSR             | 15 <sup>7</sup> / <sub>16</sub>  |  |
| AUF(†)-36-18-(*)-HSR             | 17 <sup>3</sup> / <sub>8</sub>   |  |
| AUF(†)-36-12-(*)-HSR             | 18 <sup>5</sup> / <sub>16</sub>  |  |
| AUF(†)-36-09-(*)-HSR             | 19 <sup>13</sup> / <sub>16</sub> |  |
| AUF(†)-36-06-(*)-HSR             | 20 <sup>11</sup> / <sub>16</sub> |  |

| Right reducer        |                                  |  |
|----------------------|----------------------------------|--|
| Cat. no.             | Dim. X (in.)                     |  |
| AUF(†)-42-36-(*)-HRR | 15 <sup>7</sup> / <sub>16</sub>  |  |
| AUF(†)-42-30-(*)-HRR | 18 <sup>15</sup> / <sub>16</sub> |  |
| AUF(†)-42-24-(*)-HRR | 22 <sup>3</sup> / <sub>8</sub>   |  |
| AUF(†)-42-18-(*)-HRR | 25 <sup>7</sup> / <sub>8</sub>   |  |
| AUF(†)-42-12-(*)-HRR | 29 <sup>9</sup> / <sub>16</sub>  |  |
| AUF(†)-42-09-(*)-HRR | 31 <sup>1</sup> / <sub>16</sub>  |  |
| AUF(†)-42-06-(*)-HRR | 32 <sup>3</sup> / <sub>4</sub>   |  |
| AUF(†)-36-30-(*)-HRR | 15 <sup>7</sup> / <sub>16</sub>  |  |
| AUF(†)-36-24-(*)-HRR | 18 <sup>15</sup> / <sub>16</sub> |  |
| AUF(†)-36-18-(*)-HRR | 22 <sup>3</sup> / <sub>8</sub>   |  |
| AUF(†)-36-12-(*)-HRR | 25 <sup>7</sup> / <sub>8</sub>   |  |
| AUF(†)-36-09-(*)-HRR | 27 <sup>9</sup> / <sub>16</sub>  |  |
| AUF(†)-36-06-(*)-HRR | 29 <sup>9</sup> / <sub>16</sub>  |  |



(†) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

Part numbering system



Offset reducer – left



Reducer – straight

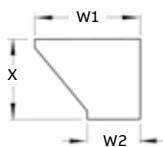


Offset reducer – right

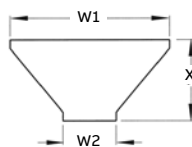
**Horizontal reducers – U-style**

| Widths (in.) |    | Horizontal reducers – U-style |                                  | Straight reducer (concentric) |                                  | Horizontal reducers – U-style |                                  |
|--------------|----|-------------------------------|----------------------------------|-------------------------------|----------------------------------|-------------------------------|----------------------------------|
| W1           | W2 | Left reducer<br>Cat. no.      | Dim. X (in.)                     | Cat. no.                      | Dim. X (in.)                     | Right reducer<br>Cat. no.     | Dim. X (in.)                     |
| 30           | 24 | AUF(t)-30-24-(*)-HLR          | 15 <sup>7</sup> / <sub>16</sub>  | AUF(t)-30-24-(*)-HSR          | 13 <sup>3</sup> / <sub>4</sub>   | AUF(t)-30-24-(*)-HRR          | 15 <sup>7</sup> / <sub>16</sub>  |
| 30           | 18 | AUF(t)-30-18-(*)-HLR          | 18 <sup>15</sup> / <sub>16</sub> | AUF(t)-30-18-(*)-HSR          | 15 <sup>7</sup> / <sub>16</sub>  | AUF(t)-30-18-(*)-HRR          | 18 <sup>15</sup> / <sub>16</sub> |
| 30           | 12 | AUF(t)-30-12-(*)-HLR          | 22 <sup>3</sup> / <sub>8</sub>   | AUF(t)-30-12-(*)-HSR          | 17 <sup>3</sup> / <sub>16</sub>  | AUF(t)-30-12-(*)-HRR          | 22 <sup>3</sup> / <sub>8</sub>   |
| 30           | 9  | AUF(t)-30-09-(*)-HLR          | 24 <sup>1</sup> / <sub>8</sub>   | AUF(t)-30-09-(*)-HSR          | 18 <sup>1</sup> / <sub>8</sub>   | AUF(t)-30-09-(*)-HRR          | 24 <sup>1</sup> / <sub>8</sub>   |
| 30           | 6  | AUF(t)-30-06-(*)-HLR          | 25 <sup>7</sup> / <sub>8</sub>   | AUF(t)-30-06-(*)-HSR          | 18 <sup>15</sup> / <sub>16</sub> | AUF(t)-30-06-(*)-HRR          | 25 <sup>7</sup> / <sub>8</sub>   |
| 24           | 18 | AUF(t)-24-18-(*)-HLR          | 15 <sup>7</sup> / <sub>16</sub>  | AUF(t)-24-18-(*)-HSR          | 13 <sup>3</sup> / <sub>4</sub>   | AUF(t)-24-18-(*)-HRR          | 15 <sup>7</sup> / <sub>16</sub>  |
| 24           | 12 | AUF(t)-24-12-(*)-HLR          | 18 <sup>15</sup> / <sub>16</sub> | AUF(t)-24-12-(*)-HSR          | 15 <sup>7</sup> / <sub>16</sub>  | AUF(t)-24-12-(*)-HRR          | 18 <sup>15</sup> / <sub>16</sub> |
| 24           | 9  | AUF(t)-24-09-(*)-HLR          | 20 <sup>1</sup> / <sub>16</sub>  | AUF(t)-24-09-(*)-HSR          | 16 <sup>5</sup> / <sub>16</sub>  | AUF(t)-24-09-(*)-HRR          | 20 <sup>1</sup> / <sub>16</sub>  |
| 24           | 6  | AUF(t)-24-06-(*)-HLR          | 22 <sup>3</sup> / <sub>8</sub>   | AUF(t)-24-06-(*)-HSR          | 17 <sup>3</sup> / <sub>16</sub>  | AUF(t)-24-06-(*)-HRR          | 22 <sup>3</sup> / <sub>8</sub>   |
| 18           | 12 | AUF(t)-18-12-(*)-HLR          | 15 <sup>7</sup> / <sub>16</sub>  | AUF(t)-18-12-(*)-HSR          | 13 <sup>3</sup> / <sub>4</sub>   | AUF(t)-18-12-(*)-HRR          | 15 <sup>7</sup> / <sub>16</sub>  |
| 18           | 9  | AUF(t)-18-09-(*)-HLR          | 17 <sup>3</sup> / <sub>16</sub>  | AUF(t)-18-09-(*)-HSR          | 14 <sup>5</sup> / <sub>16</sub>  | AUF(t)-18-09-(*)-HRR          | 17 <sup>3</sup> / <sub>16</sub>  |
| 18           | 6  | AUF(t)-18-06-(*)-HLR          | 18 <sup>15</sup> / <sub>16</sub> | AUF(t)-18-06-(*)-HSR          | 15 <sup>7</sup> / <sub>16</sub>  | AUF(t)-18-06-(*)-HRR          | 18 <sup>15</sup> / <sub>16</sub> |
| 12           | 9  | AUF(t)-12-09-(*)-HLR          | 13 <sup>3</sup> / <sub>4</sub>   | AUF(t)-12-09-(*)-HSR          | 12 <sup>7</sup> / <sub>8</sub>   | AUF(t)-12-09-(*)-HRR          | 13 <sup>3</sup> / <sub>4</sub>   |
| 12           | 6  | AUF(t)-12-06-(*)-HLR          | 15 <sup>7</sup> / <sub>16</sub>  | AUF(t)-12-06-(*)-HSR          | 13 <sup>3</sup> / <sub>4</sub>   | AUF(t)-12-06-(*)-HRR          | 15 <sup>7</sup> / <sub>16</sub>  |
| 9            | 6  | AUF(t)-09-06-(*)-HLR          | 13 <sup>3</sup> / <sub>4</sub>   | AUF(t)-09-06-(*)-HSR          | 12 <sup>7</sup> / <sub>8</sub>   | AUF(t)-09-06-(*)-HRR          | 13 <sup>3</sup> / <sub>4</sub>   |

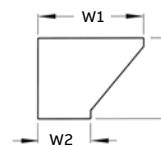
Offset reducer – left



Reducer – straight



Offset reducer – right



(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

**Selection guide**

- Tray widths W1: 42, 36, 30, 24, 18, 12, 9 in.
- Tray widths W2: 36, 30, 24, 18, 12, 9, 6 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

## Aluminum fittings

### H-style reducer fittings

Offset reducer – left



Reducer – straight



Offset reducer – right



#### Horizontal reducers – H-style

##### Widths (in.)

| Left reducer |    | Cat. no.             | Dim. X (in.)                     |
|--------------|----|----------------------|----------------------------------|
| W1           | W2 |                      |                                  |
| 42           | 36 | AHF(t)-42-36-(*)-HLR | 15 <sup>7</sup> / <sub>16</sub>  |
|              | 30 | AHF(t)-42-30-(*)-HLR | 18 <sup>15</sup> / <sub>16</sub> |
|              | 24 | AHF(t)-42-24-(*)-HLR | 22 <sup>3</sup> / <sub>8</sub>   |
|              | 18 | AHF(t)-42-18-(*)-HLR | 25 <sup>5</sup> / <sub>8</sub>   |
|              | 12 | AHF(t)-42-12-(*)-HLR | 29 <sup>5</sup> / <sub>16</sub>  |
|              | 9  | AHF(t)-42-09-(*)-HLR | 31 <sup>1</sup> / <sub>16</sub>  |
|              | 6  | AHF(t)-42-06-(*)-HLR | 32 <sup>3</sup> / <sub>4</sub>   |
| 36           | 30 | AHF(t)-36-30-(*)-HLR | 15 <sup>7</sup> / <sub>16</sub>  |
|              | 24 | AHF(t)-36-24-(*)-HLR | 18 <sup>15</sup> / <sub>16</sub> |
|              | 18 | AHF(t)-36-18-(*)-HLR | 22 <sup>3</sup> / <sub>8</sub>   |
|              | 12 | AHF(t)-36-12-(*)-HLR | 25 <sup>5</sup> / <sub>8</sub>   |
|              | 9  | AHF(t)-36-09-(*)-HLR | 27 <sup>9</sup> / <sub>16</sub>  |
|              | 6  | AHF(t)-36-06-(*)-HLR | 29 <sup>5</sup> / <sub>16</sub>  |
| 30           | 24 | AHF(t)-30-24-(*)-HLR | 15 <sup>7</sup> / <sub>16</sub>  |
|              | 18 | AHF(t)-30-18-(*)-HLR | 18 <sup>15</sup> / <sub>16</sub> |
|              | 12 | AHF(t)-30-12-(*)-HLR | 22 <sup>3</sup> / <sub>8</sub>   |
|              | 9  | AHF(t)-30-09-(*)-HLR | 24 <sup>1</sup> / <sub>8</sub>   |
|              | 6  | AHF(t)-30-06-(*)-HLR | 25 <sup>5</sup> / <sub>8</sub>   |

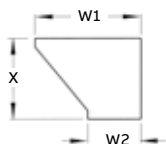
##### Straight reducer (concentric)

| Straight reducer (concentric) |    | Cat. no.             | Dim. X (in.)                     |
|-------------------------------|----|----------------------|----------------------------------|
| W1                            | W2 |                      |                                  |
| 42                            | 36 | AHF(t)-42-36-(*)-HSR | 13 <sup>3</sup> / <sub>4</sub>   |
|                               | 30 | AHF(t)-42-30-(*)-HSR | 15 <sup>7</sup> / <sub>16</sub>  |
|                               | 24 | AHF(t)-42-24-(*)-HSR | 17 <sup>3</sup> / <sub>16</sub>  |
|                               | 18 | AHF(t)-42-18-(*)-HSR | 18 <sup>5</sup> / <sub>16</sub>  |
|                               | 12 | AHF(t)-42-12-(*)-HSR | 20 <sup>5</sup> / <sub>8</sub>   |
|                               | 9  | AHF(t)-42-09-(*)-HSR | 21 <sup>1</sup> / <sub>2</sub>   |
|                               | 6  | AHF(t)-42-06-(*)-HSR | 22 <sup>3</sup> / <sub>8</sub>   |
| 36                            | 30 | AHF(t)-36-30-(*)-HSR | 13 <sup>3</sup> / <sub>4</sub>   |
|                               | 24 | AHF(t)-36-24-(*)-HSR | 15 <sup>7</sup> / <sub>16</sub>  |
|                               | 18 | AHF(t)-36-18-(*)-HSR | 17 <sup>3</sup> / <sub>8</sub>   |
|                               | 12 | AHF(t)-36-12-(*)-HSR | 18 <sup>5</sup> / <sub>16</sub>  |
|                               | 9  | AHF(t)-36-09-(*)-HSR | 19 <sup>13</sup> / <sub>16</sub> |
|                               | 6  | AHF(t)-36-06-(*)-HSR | 20 <sup>11</sup> / <sub>16</sub> |
| 30                            | 24 | AHF(t)-30-24-(*)-HSR | 13 <sup>3</sup> / <sub>4</sub>   |
|                               | 18 | AHF(t)-30-18-(*)-HSR | 15 <sup>7</sup> / <sub>16</sub>  |
|                               | 12 | AHF(t)-30-12-(*)-HSR | 17 <sup>3</sup> / <sub>16</sub>  |
|                               | 9  | AHF(t)-30-09-(*)-HSR | 18 <sup>1</sup> / <sub>16</sub>  |
|                               | 6  | AHF(t)-30-06-(*)-HSR | 18 <sup>15</sup> / <sub>16</sub> |

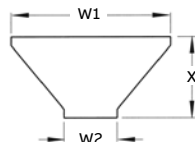
##### Right reducer

| Right reducer |    | Cat. no.             | Dim. X (in.)                     |
|---------------|----|----------------------|----------------------------------|
| W1            | W2 |                      |                                  |
| 42            | 36 | AHF(t)-42-36-(*)-HRR | 15 <sup>7</sup> / <sub>16</sub>  |
|               | 30 | AHF(t)-42-30-(*)-HRR | 18 <sup>15</sup> / <sub>16</sub> |
|               | 24 | AHF(t)-42-24-(*)-HRR | 22 <sup>3</sup> / <sub>8</sub>   |
|               | 18 | AHF(t)-42-18-(*)-HRR | 25 <sup>5</sup> / <sub>8</sub>   |
|               | 12 | AHF(t)-42-12-(*)-HRR | 29 <sup>5</sup> / <sub>16</sub>  |
|               | 9  | AHF(t)-42-09-(*)-HRR | 31 <sup>1</sup> / <sub>16</sub>  |
|               | 6  | AHF(t)-42-06-(*)-HRR | 32 <sup>3</sup> / <sub>4</sub>   |
| 36            | 30 | AHF(t)-36-30-(*)-HRR | 15 <sup>7</sup> / <sub>16</sub>  |
|               | 24 | AHF(t)-36-24-(*)-HRR | 18 <sup>15</sup> / <sub>16</sub> |
|               | 18 | AHF(t)-36-18-(*)-HRR | 22 <sup>3</sup> / <sub>8</sub>   |
|               | 12 | AHF(t)-36-12-(*)-HRR | 25 <sup>5</sup> / <sub>8</sub>   |
|               | 9  | AHF(t)-36-09-(*)-HRR | 27 <sup>9</sup> / <sub>16</sub>  |
|               | 6  | AHF(t)-36-06-(*)-HRR | 29 <sup>5</sup> / <sub>16</sub>  |
| 30            | 24 | AHF(t)-30-24-(*)-HRR | 15 <sup>7</sup> / <sub>16</sub>  |
|               | 18 | AHF(t)-30-18-(*)-HRR | 18 <sup>15</sup> / <sub>16</sub> |
|               | 12 | AHF(t)-30-12-(*)-HRR | 22 <sup>3</sup> / <sub>8</sub>   |
|               | 9  | AHF(t)-30-09-(*)-HRR | 24 <sup>1</sup> / <sub>8</sub>   |
|               | 6  | AHF(t)-30-06-(*)-HRR | 25 <sup>5</sup> / <sub>8</sub>   |

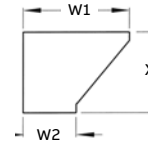
Offset reducer – left



Reducer – straight

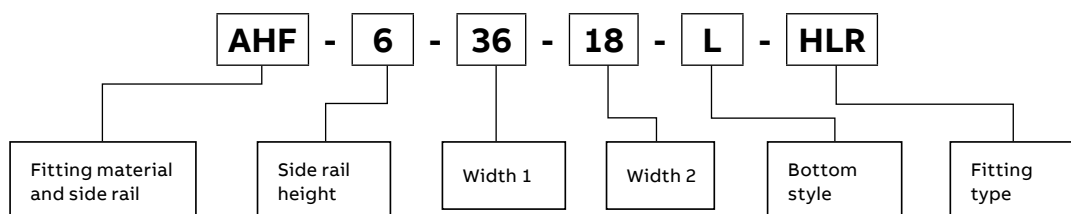


Offset reducer – right



(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



Offset reducer – left



Reducer – straight



Offset reducer – right

**Horizontal reducers – H-style****Widths (in.)**

|           |           | <b>Left reducer</b>  |                                  |
|-----------|-----------|----------------------|----------------------------------|
| <b>W1</b> | <b>W2</b> | <b>Cat. no.</b>      | <b>Dim. X (in.)</b>              |
| 24        | 18        | AHF(†)-24-18-(*)-HLR | 15 <sup>7</sup> / <sub>16</sub>  |
|           | 12        | AHF(†)-24-12-(*)-HLR | 18 <sup>15</sup> / <sub>16</sub> |
|           | 9         | AHF(†)-24-09-(*)-HLR | 20 <sup>11</sup> / <sub>16</sub> |
|           | 6         | AHF(†)-24-06-(*)-HLR | 22 <sup>3</sup> / <sub>8</sub>   |
| 18        | 12        | AHF(†)-18-12-(*)-HLR | 15 <sup>7</sup> / <sub>16</sub>  |
|           | 9         | AHF(†)-18-09-(*)-HLR | 17 <sup>3</sup> / <sub>16</sub>  |
|           | 6         | AHF(†)-18-06-(*)-HLR | 18 <sup>15</sup> / <sub>16</sub> |
| 12        | 9         | AHF(†)-12-09-(*)-HLR | 13 <sup>3</sup> / <sub>4</sub>   |
|           | 6         | AHF(†)-12-06-(*)-HLR | 15 <sup>7</sup> / <sub>16</sub>  |
| 9         | 6         | AHF(†)-09-06-(*)-HLR | 13 <sup>3</sup> / <sub>4</sub>   |

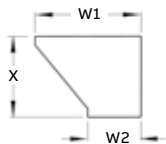
**Straight reducer (concentric)**

| <b>Cat. no.</b>      | <b>Dim. X (in.)</b>             |
|----------------------|---------------------------------|
| AHF(†)-24-18-(*)-HSR | 13 <sup>3</sup> / <sub>4</sub>  |
| AHF(†)-24-12-(*)-HSR | 15 <sup>7</sup> / <sub>16</sub> |
| AHF(†)-24-09-(*)-HSR | 16 <sup>5</sup> / <sub>16</sub> |
| AHF(†)-24-06-(*)-HSR | 17 <sup>3</sup> / <sub>16</sub> |
| AHF(†)-18-12-(*)-HSR | 13 <sup>3</sup> / <sub>4</sub>  |
| AHF(†)-18-09-(*)-HSR | 14 <sup>3</sup> / <sub>8</sub>  |
| AHF(†)-18-06-(*)-HSR | 15 <sup>7</sup> / <sub>16</sub> |
| AHF(†)-12-09-(*)-HSR | 12 <sup>7</sup> / <sub>8</sub>  |
| AHF(†)-12-06-(*)-HSR | 13 <sup>3</sup> / <sub>4</sub>  |
| AHF(†)-09-06-(*)-HSR | 12 <sup>7</sup> / <sub>8</sub>  |

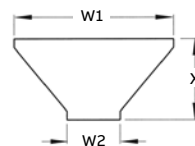
**Right reducer**

| <b>Cat. no.</b>      | <b>Dim. X (in.)</b>              |
|----------------------|----------------------------------|
| AHF(†)-24-18-(*)-HRR | 15 <sup>7</sup> / <sub>16</sub>  |
| AHF(†)-24-12-(*)-HRR | 18 <sup>15</sup> / <sub>16</sub> |
| AHF(†)-24-09-(*)-HRR | 20 <sup>11</sup> / <sub>16</sub> |
| AHF(†)-24-06-(*)-HRR | 22 <sup>3</sup> / <sub>8</sub>   |
| AHF(†)-18-12-(*)-HRR | 15 <sup>7</sup> / <sub>16</sub>  |
| AHF(†)-18-09-(*)-HRR | 17 <sup>3</sup> / <sub>16</sub>  |
| AHF(†)-18-06-(*)-HRR | 18 <sup>15</sup> / <sub>16</sub> |
| AHF(†)-12-09-(*)-HRR | 13 <sup>3</sup> / <sub>4</sub>   |
| AHF(†)-12-06-(*)-HRR | 15 <sup>7</sup> / <sub>16</sub>  |
| AHF(†)-09-06-(*)-HRR | 13 <sup>3</sup> / <sub>4</sub>   |

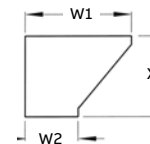
Offset reducer – left



Reducer – straight



Offset reducer – right



(†) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.  
 T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

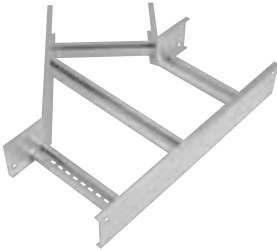
**Selection guide**

- Tray widths W1: 42, 36, 30, 24, 18, 12, 9 in.
- Tray widths W2: 36, 30, 24, 18, 12, 9, 6 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

Aluminum fittings

45° U-style horizontal wye fittings

Left-hand wye



Right-hand wye



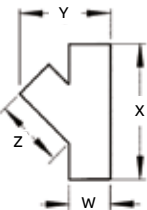
Selection guide

- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

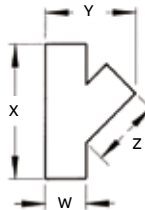
45° Horizontal wye – U-style

| Width (in.) | Left-hand wye<br>Cat. no. | Right-hand wye<br>Cat. no. | Dimensions (in.)                 |                                  |                                 |
|-------------|---------------------------|----------------------------|----------------------------------|----------------------------------|---------------------------------|
|             |                           |                            | X                                | Y                                | Z                               |
| 6           | AUF(†)-06-(*)-HYL         | AUF(†)-06-(*)-HYR          | 18 <sup>5</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>16</sub> |
| 9           | AUF(†)-09-(*)-HYL         | AUF(†)-09-(*)-HYR          | 22 <sup>1</sup> / <sub>2</sub>   | 19 <sup>15</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> |
| 12          | AUF(†)-12-(*)-HYL         | AUF(†)-12-(*)-HYR          | 26 <sup>3</sup> / <sub>4</sub>   | 25                               | 18 <sup>7</sup> / <sub>16</sub> |
| 18          | AUF(†)-18-(*)-HYL         | AUF(†)-18-(*)-HYR          | 35 <sup>1</sup> / <sub>4</sub>   | 35 <sup>1</sup> / <sub>4</sub>   | 24 <sup>7</sup> / <sub>16</sub> |
| 24          | AUF(†)-24-(*)-HYL         | AUF(†)-24-(*)-HYR          | 43 <sup>1</sup> / <sub>2</sub>   | 45 <sup>1</sup> / <sub>2</sub>   | 30 <sup>7</sup> / <sub>16</sub> |
| 30          | AUF(†)-30-(*)-HYL         | AUF(†)-30-(*)-HYR          | 52 <sup>1</sup> / <sub>4</sub>   | 55 <sup>3</sup> / <sub>4</sub>   | 36 <sup>7</sup> / <sub>16</sub> |
| 36          | AUF(†)-36-(*)-HYL         | AUF(†)-36-(*)-HYR          | 60 <sup>11</sup> / <sub>16</sub> | 66                               | 42 <sup>7</sup> / <sub>16</sub> |
| 42          | AUF(†)-42-(*)-HYL         | AUF(†)-42-(*)-HYR          | 69 <sup>3</sup> / <sub>16</sub>  | 76 <sup>1</sup> / <sub>4</sub>   | 45 <sup>7</sup> / <sub>16</sub> |

Left-hand wye

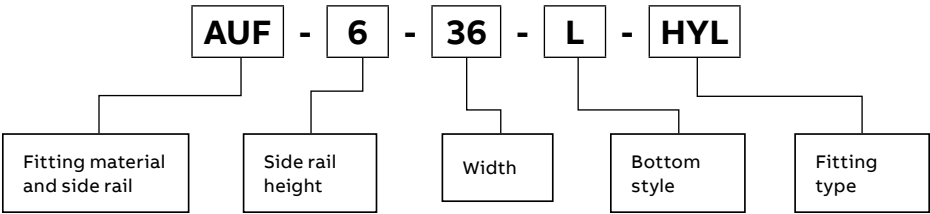


Right-hand wye



(†) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 2 pairs of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

Part numbering system



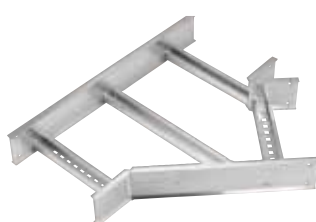
## Aluminum fittings

### 45° H-style horizontal wye fittings

Left-hand wye



Right-hand wye



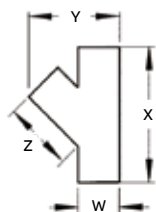
#### Selection guide

- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

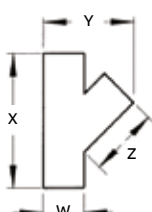
#### 45° Horizontal wye – H-style

| Width (in.) | Left-hand wye<br>Cat. no. | Right-hand wye<br>Cat. no. | Dimensions (in.)   |                    |                   |
|-------------|---------------------------|----------------------------|--------------------|--------------------|-------------------|
|             |                           |                            | X                  | Y                  | Z                 |
| 6           | AHF(t)-06-(*)-HYL         | AHF(t)-06-(*)-HYR          | 18 $\frac{5}{16}$  | 14 $\frac{13}{16}$ | 12 $\frac{7}{16}$ |
| 9           | AHF(t)-09-(*)-HYL         | AHF(t)-09-(*)-HYR          | 22 $\frac{1}{2}$   | 19 $\frac{15}{16}$ | 15 $\frac{1}{16}$ |
| 12          | AHF(t)-12-(*)-HYL         | AHF(t)-12-(*)-HYR          | 26 $\frac{3}{4}$   | 25                 | 18 $\frac{7}{16}$ |
| 18          | AHF(t)-18-(*)-HYL         | AHF(t)-18-(*)-HYR          | 35 $\frac{1}{4}$   | 35 $\frac{1}{4}$   | 24 $\frac{7}{16}$ |
| 24          | AHF(t)-24-(*)-HYL         | AHF(t)-24-(*)-HYR          | 43 $\frac{1}{2}$   | 45 $\frac{1}{2}$   | 30 $\frac{7}{16}$ |
| 30          | AHF(t)-30-(*)-HYL         | AHF(t)-30-(*)-HYR          | 52 $\frac{1}{4}$   | 55 $\frac{3}{4}$   | 36 $\frac{7}{16}$ |
| 36          | AHF(t)-36-(*)-HYL         | AHF(t)-36-(*)-HYR          | 60 $\frac{11}{16}$ | 66                 | 42 $\frac{7}{16}$ |
| 42          | AHF(t)-42-(*)-HYL         | AHF(t)-42-(*)-HYR          | 69 $\frac{3}{16}$  | 76 $\frac{1}{4}$   | 45 $\frac{1}{16}$ |

Left hand wye

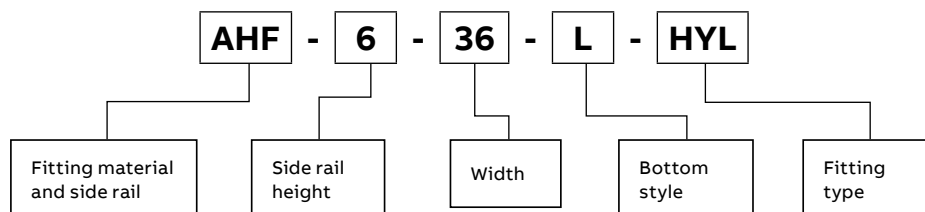


Right hand wye



(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 2 pairs of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



## Aluminum fittings

### 90° U-style vertical bend fittings

#### Selection guide

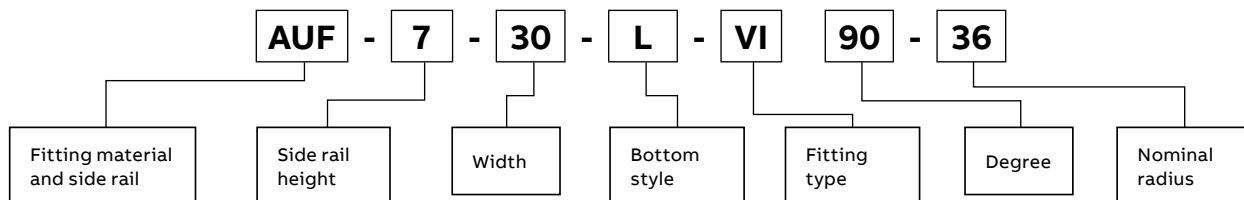
- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 90°
- Radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

#### 90° Vertical bend – U-style

|                                                                                                    | Nominal      |             | Cat. no.               | Dimensions (in.)  |    |                                  |                                  |                                  |                                  |       |    |       |    |
|----------------------------------------------------------------------------------------------------|--------------|-------------|------------------------|-------------------|----|----------------------------------|----------------------------------|----------------------------------|----------------------------------|-------|----|-------|----|
|                                                                                                    |              |             |                        | (+ ) VO side rail |    |                                  |                                  | (+ ) VI side rail                |                                  |       |    |       |    |
|                                                                                                    |              |             |                        | 4 in. – 7 in.     |    | 4 in.                            |                                  | 5 in.                            |                                  | 6 in. |    | 7 in. |    |
|                                                                                                    | Radius (in.) | Width (in.) |                        | X                 | Y  | X                                | Y                                | X                                | Y                                | X     | Y  | X     | Y  |
| Outside bend<br>  | 12           | 6           | AUF(+)-06-(*)-(+)90-12 | 12                | 12 | 17 <sup>15</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 20    | 20 | 21    | 21 |
|                                                                                                    | 12           | 9           | AUF(+)-09-(*)-(+)90-12 | 12                | 12 | 17 <sup>15</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 20    | 20 | 21    | 21 |
|                                                                                                    | 12           | 12          | AUF(+)-12-(*)-(+)90-12 | 12                | 12 | 17 <sup>15</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 20    | 20 | 21    | 21 |
|                                                                                                    | 12           | 18          | AUF(+)-18-(*)-(+)90-12 | 12                | 12 | 17 <sup>15</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 20    | 20 | 21    | 21 |
|                                                                                                    | 12           | 24          | AUF(+)-24-(*)-(+)90-12 | 12                | 12 | 17 <sup>15</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 20    | 20 | 21    | 21 |
|                                                                                                    | 12           | 30          | AUF(+)-30-(*)-(+)90-12 | 12                | 12 | 17 <sup>15</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 20    | 20 | 21    | 21 |
|                                                                                                    | 12           | 36          | AUF(+)-36-(*)-(+)90-12 | 12                | 12 | 17 <sup>15</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 20    | 20 | 21    | 21 |
|                                                                                                    | 12           | 42          | AUF(+)-42-(*)-(+)90-12 | 12                | 12 | 17 <sup>15</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 18 <sup>13</sup> / <sub>16</sub> | 20    | 20 | 21    | 21 |
|                                                                                                    | 24           | 6           | AUF(+)-06-(*)-(+)90-24 | 24                | 24 | 29 <sup>15</sup> / <sub>16</sub> | 29 <sup>15</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 32    | 32 | 33    | 33 |
|                                                                                                    | 24           | 9           | AUF(+)-09-(*)-(+)90-24 | 24                | 24 | 29 <sup>15</sup> / <sub>16</sub> | 29 <sup>15</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 32    | 32 | 33    | 33 |
|                                                                                                    | 24           | 12          | AUF(+)-12-(*)-(+)90-24 | 24                | 24 | 29 <sup>15</sup> / <sub>16</sub> | 29 <sup>15</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 32    | 32 | 33    | 33 |
|                                                                                                    | 24           | 18          | AUF(+)-18-(*)-(+)90-24 | 24                | 24 | 29 <sup>15</sup> / <sub>16</sub> | 29 <sup>15</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 32    | 32 | 33    | 33 |
|                                                                                                    | 24           | 24          | AUF(+)-24-(*)-(+)90-24 | 24                | 24 | 29 <sup>15</sup> / <sub>16</sub> | 29 <sup>15</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 32    | 32 | 33    | 33 |
|                                                                                                    | 24           | 30          | AUF(+)-30-(*)-(+)90-24 | 24                | 24 | 29 <sup>15</sup> / <sub>16</sub> | 29 <sup>15</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 32    | 32 | 33    | 33 |
|                                                                                                    | 24           | 36          | AUF(+)-36-(*)-(+)90-24 | 24                | 24 | 29 <sup>15</sup> / <sub>16</sub> | 29 <sup>15</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 32    | 32 | 33    | 33 |
|                                                                                                    | 24           | 42          | AUF(+)-42-(*)-(+)90-24 | 24                | 24 | 29 <sup>15</sup> / <sub>16</sub> | 29 <sup>15</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 30 <sup>13</sup> / <sub>16</sub> | 32    | 32 | 33    | 33 |
| Inside bend<br> | 36           | 6           | AUF(+)-06-(*)-(+)90-36 | 36                | 36 | 41 <sup>15</sup> / <sub>16</sub> | 41 <sup>15</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 44    | 44 | 45    | 45 |
|                                                                                                    | 36           | 9           | AUF(+)-09-(*)-(+)90-36 | 36                | 36 | 41 <sup>15</sup> / <sub>16</sub> | 41 <sup>15</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 44    | 44 | 45    | 45 |
|                                                                                                    | 36           | 12          | AUF(+)-12-(*)-(+)90-36 | 36                | 36 | 41 <sup>15</sup> / <sub>16</sub> | 41 <sup>15</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 44    | 44 | 45    | 45 |
|                                                                                                    | 36           | 18          | AUF(+)-18-(*)-(+)90-36 | 36                | 36 | 41 <sup>15</sup> / <sub>16</sub> | 41 <sup>15</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 44    | 44 | 45    | 45 |
|                                                                                                    | 36           | 24          | AUF(+)-24-(*)-(+)90-36 | 36                | 36 | 41 <sup>15</sup> / <sub>16</sub> | 41 <sup>15</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 44    | 44 | 45    | 45 |
|                                                                                                    | 36           | 30          | AUF(+)-30-(*)-(+)90-36 | 36                | 36 | 41 <sup>15</sup> / <sub>16</sub> | 41 <sup>15</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 44    | 44 | 45    | 45 |
|                                                                                                    | 36           | 36          | AUF(+)-36-(*)-(+)90-36 | 36                | 36 | 41 <sup>15</sup> / <sub>16</sub> | 41 <sup>15</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 44    | 44 | 45    | 45 |
|                                                                                                    | 36           | 42          | AUF(+)-42-(*)-(+)90-36 | 36                | 36 | 41 <sup>15</sup> / <sub>16</sub> | 41 <sup>15</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 42 <sup>13</sup> / <sub>16</sub> | 44    | 44 | 45    | 45 |
|                                                                                                    | 48           | 6           | AUF(+)-06-(*)-(+)90-48 | 48                | 48 | 53 <sup>15</sup> / <sub>16</sub> | 53 <sup>15</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 56    | 56 | 57    | 57 |
|                                                                                                    | 48           | 9           | AUF(+)-09-(*)-(+)90-48 | 48                | 48 | 53 <sup>15</sup> / <sub>16</sub> | 53 <sup>15</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 56    | 56 | 57    | 57 |
|                                                                                                    | 48           | 12          | AUF(+)-12-(*)-(+)90-48 | 48                | 48 | 53 <sup>15</sup> / <sub>16</sub> | 53 <sup>15</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 56    | 56 | 57    | 57 |
|                                                                                                    | 48           | 18          | AUF(+)-18-(*)-(+)90-48 | 48                | 48 | 53 <sup>15</sup> / <sub>16</sub> | 53 <sup>15</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 56    | 56 | 57    | 57 |
|                                                                                                    | 48           | 24          | AUF(+)-24-(*)-(+)90-48 | 48                | 48 | 53 <sup>15</sup> / <sub>16</sub> | 53 <sup>15</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 56    | 56 | 57    | 57 |
|                                                                                                    | 48           | 30          | AUF(+)-30-(*)-(+)90-48 | 48                | 48 | 53 <sup>15</sup> / <sub>16</sub> | 53 <sup>15</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 56    | 56 | 57    | 57 |
|                                                                                                    | 48           | 36          | AUF(+)-36-(*)-(+)90-48 | 48                | 48 | 53 <sup>15</sup> / <sub>16</sub> | 53 <sup>15</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 56    | 56 | 57    | 57 |
|                                                                                                    | 48           | 42          | AUF(+)-42-(*)-(+)90-48 | 48                | 48 | 53 <sup>15</sup> / <sub>16</sub> | 53 <sup>15</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 54 <sup>13</sup> / <sub>16</sub> | 56    | 56 | 57    | 57 |

(†) Insert side rail height. (\*) Insert bottom style (+) Insert "VO" for vertical outside or "VI" for vertical inside to complete cat. no. Includes 1 pair of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system





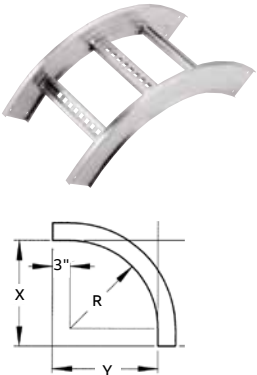
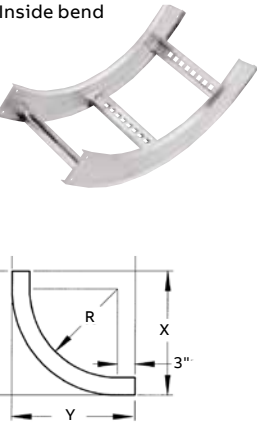
## Aluminum fittings

### 90° H-style vertical bend fittings

#### Selection guide

- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 90°
- Radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

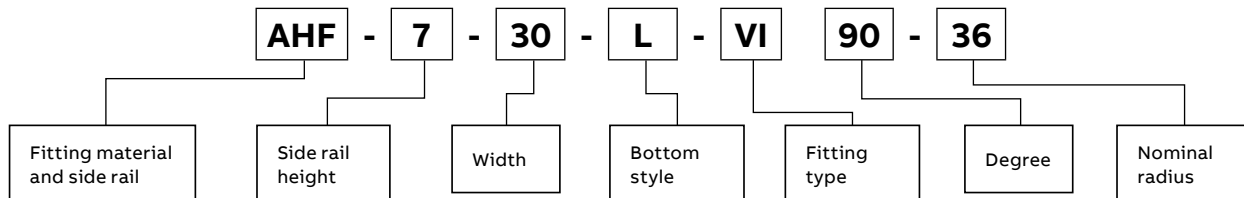
#### 90° Vertical bend – H-style

|                                                                                                    |                      |             |                         | Dimensions (in.)  |    |                                 |                                 |                                 |                                 |                                |                                |                                |                                |
|----------------------------------------------------------------------------------------------------|----------------------|-------------|-------------------------|-------------------|----|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
|                                                                                                    | Nominal Radius (in.) | Width (in.) | Cat. no.                | (+ ) VO side rail |    | (+ ) VI side rail               |                                 |                                 |                                 |                                |                                |                                |                                |
|                                                                                                    |                      |             |                         | 4 in. – 7 in.     |    | 4 in.                           |                                 | 5 in.                           |                                 | 6 in.                          |                                | 7 in.                          |                                |
|                                                                                                    |                      |             |                         | X                 | Y  | X                               | Y                               | X                               | Y                               | X                              | Y                              | X                              | Y                              |
| Outside bend<br> | 12                   | 6           | AHF(+)-06-(*)-(+ )90-12 | 15                | 15 | 19 <sup>3</sup> / <sub>16</sub> | 19 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>4</sub> | 21 <sup>1</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 12                   | 9           | AHF(+)-09-(*)-(+ )90-12 | 15                | 15 | 19 <sup>3</sup> / <sub>16</sub> | 19 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>4</sub> | 21 <sup>1</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 12                   | 12          | AHF(+)-12-(*)-(+ )90-12 | 15                | 15 | 19 <sup>3</sup> / <sub>16</sub> | 19 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>4</sub> | 21 <sup>1</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 12                   | 18          | AHF(+)-18-(*)-(+ )90-12 | 15                | 15 | 19 <sup>3</sup> / <sub>16</sub> | 19 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>4</sub> | 21 <sup>1</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 12                   | 24          | AHF(+)-24-(*)-(+ )90-12 | 15                | 15 | 19 <sup>3</sup> / <sub>16</sub> | 19 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>4</sub> | 21 <sup>1</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 12                   | 30          | AHF(+)-30-(*)-(+ )90-12 | 15                | 15 | 19 <sup>3</sup> / <sub>16</sub> | 19 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>4</sub> | 21 <sup>1</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 12                   | 36          | AHF(+)-36-(*)-(+ )90-12 | 15                | 15 | 19 <sup>3</sup> / <sub>16</sub> | 19 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>4</sub> | 21 <sup>1</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 12                   | 42          | AHF(+)-42-(*)-(+ )90-12 | 15                | 15 | 19 <sup>3</sup> / <sub>16</sub> | 19 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 20 <sup>3</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>4</sub> | 21 <sup>1</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> | 22 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 24                   | 6           | AHF(+)-06-(*)-(+ )90-24 | 27                | 27 | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 33 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 24                   | 9           | AHF(+)-09-(*)-(+ )90-24 | 27                | 27 | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 33 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 24                   | 12          | AHF(+)-12-(*)-(+ )90-24 | 27                | 27 | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 33 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 24                   | 18          | AHF(+)-18-(*)-(+ )90-24 | 27                | 27 | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 33 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> |
| Inside bend<br> | 24                   | 24          | AHF(+)-24-(*)-(+ )90-24 | 27                | 27 | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 33 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 24                   | 30          | AHF(+)-30-(*)-(+ )90-24 | 27                | 27 | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 33 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 24                   | 36          | AHF(+)-36-(*)-(+ )90-24 | 27                | 27 | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 33 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 24                   | 42          | AHF(+)-42-(*)-(+ )90-24 | 27                | 27 | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 32 <sup>3</sup> / <sub>16</sub> | 33 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> | 34 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 36                   | 6           | AHF(+)-06-(*)-(+ )90-36 | 39                | 39 | 43 <sup>3</sup> / <sub>16</sub> | 43 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 45 <sup>3</sup> / <sub>4</sub> | 45 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 36                   | 9           | AHF(+)-09-(*)-(+ )90-36 | 39                | 39 | 43 <sup>3</sup> / <sub>16</sub> | 43 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 45 <sup>3</sup> / <sub>4</sub> | 45 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 36                   | 12          | AHF(+)-12-(*)-(+ )90-36 | 39                | 39 | 43 <sup>3</sup> / <sub>16</sub> | 43 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 45 <sup>3</sup> / <sub>4</sub> | 45 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 36                   | 18          | AHF(+)-18-(*)-(+ )90-36 | 39                | 39 | 43 <sup>3</sup> / <sub>16</sub> | 43 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 45 <sup>3</sup> / <sub>4</sub> | 45 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 36                   | 24          | AHF(+)-24-(*)-(+ )90-36 | 39                | 39 | 43 <sup>3</sup> / <sub>16</sub> | 43 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 45 <sup>3</sup> / <sub>4</sub> | 45 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 36                   | 30          | AHF(+)-30-(*)-(+ )90-36 | 39                | 39 | 43 <sup>3</sup> / <sub>16</sub> | 43 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 45 <sup>3</sup> / <sub>4</sub> | 45 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 36                   | 36          | AHF(+)-36-(*)-(+ )90-36 | 39                | 39 | 43 <sup>3</sup> / <sub>16</sub> | 43 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 45 <sup>3</sup> / <sub>4</sub> | 45 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 36                   | 42          | AHF(+)-42-(*)-(+ )90-36 | 39                | 39 | 43 <sup>3</sup> / <sub>16</sub> | 43 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub> | 45 <sup>3</sup> / <sub>4</sub> | 45 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> | 46 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 48                   | 6           | AHF(+)-06-(*)-(+ )90-48 | 51                | 51 | 55 <sup>3</sup> / <sub>16</sub> | 55 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 57 <sup>3</sup> / <sub>4</sub> | 57 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 48                   | 9           | AHF(+)-09-(*)-(+ )90-48 | 51                | 51 | 55 <sup>3</sup> / <sub>16</sub> | 55 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 57 <sup>3</sup> / <sub>4</sub> | 57 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 48                   | 12          | AHF(+)-12-(*)-(+ )90-48 | 51                | 51 | 55 <sup>3</sup> / <sub>16</sub> | 55 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 57 <sup>3</sup> / <sub>4</sub> | 57 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 48                   | 18          | AHF(+)-18-(*)-(+ )90-48 | 51                | 51 | 55 <sup>3</sup> / <sub>16</sub> | 55 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 57 <sup>3</sup> / <sub>4</sub> | 57 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 48                   | 24          | AHF(+)-24-(*)-(+ )90-48 | 51                | 51 | 55 <sup>3</sup> / <sub>16</sub> | 55 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 57 <sup>3</sup> / <sub>4</sub> | 57 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 48                   | 30          | AHF(+)-30-(*)-(+ )90-48 | 51                | 51 | 55 <sup>3</sup> / <sub>16</sub> | 55 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 57 <sup>3</sup> / <sub>4</sub> | 57 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 48                   | 36          | AHF(+)-36-(*)-(+ )90-48 | 51                | 51 | 55 <sup>3</sup> / <sub>16</sub> | 55 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 57 <sup>3</sup> / <sub>4</sub> | 57 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> |
|                                                                                                    | 48                   | 42          | AHF(+)-42-(*)-(+ )90-48 | 51                | 51 | 55 <sup>3</sup> / <sub>16</sub> | 55 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 56 <sup>3</sup> / <sub>16</sub> | 57 <sup>3</sup> / <sub>4</sub> | 57 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> | 58 <sup>3</sup> / <sub>4</sub> |

(+) Insert side rail height. (\*) Insert bottom style (+) Insert "VO" for vertical outside or "VI" for vertical inside to complete cat. no. Includes 1 pair of splice plates with hardware.

T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



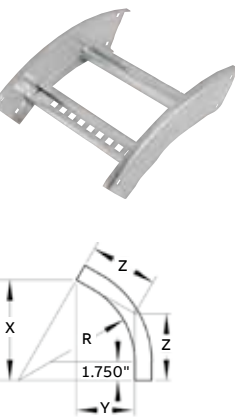
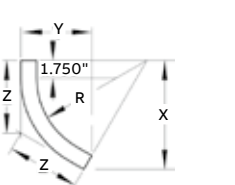
## Aluminum fittings

### 60° U-style vertical bend fittings

#### Selection guide

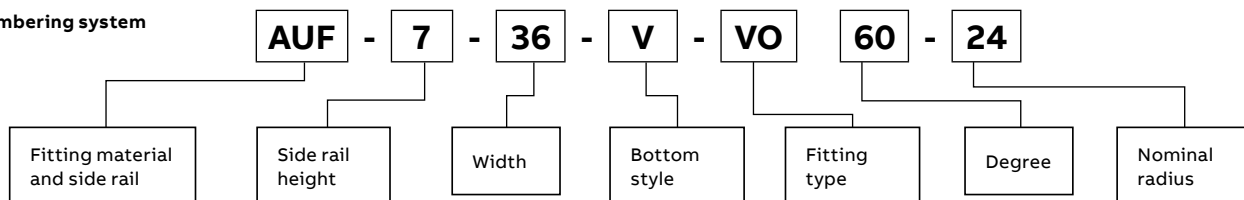
- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 60°
- Radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

#### 60° Vertical bend – U-style

| Dimensions (in.)                                                                                           |    |                        |                        |                 |       |       |          |       |       |       |                 |          |          |       |          |          |       |       |
|------------------------------------------------------------------------------------------------------------|----|------------------------|------------------------|-----------------|-------|-------|----------|-------|-------|-------|-----------------|----------|----------|-------|----------|----------|-------|-------|
|                                                                                                            |    |                        |                        | (+ VO side rail |       |       |          |       |       |       | (+ VI side rail |          |          |       |          |          |       |       |
|                                                                                                            |    |                        |                        | 4 in. – 7 in.   |       |       | 4 in.    |       |       | 5 in. |                 |          | 6 in.    |       |          | 7 in.    |       |       |
| Nominal                                                                                                    |    |                        |                        |                 |       |       |          |       |       |       |                 |          |          |       |          |          |       |       |
| Radius Width                                                                                               |    |                        |                        |                 |       |       |          |       |       |       |                 |          |          |       |          |          |       |       |
| (in.) (in.) Cat. no.                                                                                       |    |                        |                        | X Y Z           |       |       | X Y Z    |       |       | X Y Z |                 |          | X Y Z    |       |          | X Y Z    |       |       |
| <div>Outside bend</div>  | 12 | 6                      | AUF(+)-06-(*)-(+)60-12 | 13              | 7½    | 8⅛16  | 16⅝11⅛16 | 11⅛16 | 17⅞16 | 12⅝16 | 11⅝16           | 18⅝13⅛16 | 12¼16    | 19⅝16 | 14¾16    | 12⅞16    |       |       |
|                                                                                                            | 12 | 9                      | AUF(+)-09-(*)-(+)60-12 | 13              | 7½    | 8⅛16  | 16⅝11⅛16 | 11⅛16 | 17⅞16 | 12⅝16 | 11⅝16           | 18⅝13⅛16 | 12¼16    | 19⅝16 | 14¾16    | 12⅞16    |       |       |
|                                                                                                            | 12 | 12                     | AUF(+)-12-(*)-(+)60-12 | 13              | 7½    | 8⅛16  | 16⅝11⅛16 | 11⅛16 | 17⅞16 | 12⅝16 | 11⅝16           | 18⅝13⅛16 | 12¼16    | 19⅝16 | 14¾16    | 12⅞16    |       |       |
|                                                                                                            | 12 | 18                     | AUF(+)-18-(*)-(+)60-12 | 13              | 7½    | 8⅛16  | 16⅝11⅛16 | 11⅛16 | 17⅞16 | 12⅝16 | 11⅝16           | 18⅝13⅛16 | 12¼16    | 19⅝16 | 14¾16    | 12⅞16    |       |       |
|                                                                                                            | 12 | 24                     | AUF(+)-24-(*)-(+)60-12 | 13              | 7½    | 8⅛16  | 16⅝11⅛16 | 11⅛16 | 17⅞16 | 12⅝16 | 11⅝16           | 18⅝13⅛16 | 12¼16    | 19⅝16 | 14¾16    | 12⅞16    |       |       |
|                                                                                                            | 12 | 30                     | AUF(+)-30-(*)-(+)60-12 | 13              | 7½    | 8⅛16  | 16⅝11⅛16 | 11⅛16 | 17⅞16 | 12⅝16 | 11⅝16           | 18⅝13⅛16 | 12¼16    | 19⅝16 | 14¾16    | 12⅞16    |       |       |
|                                                                                                            | 12 | 36                     | AUF(+)-36-(*)-(+)60-12 | 13              | 7½    | 8⅛16  | 16⅝11⅛16 | 11⅛16 | 17⅞16 | 12⅝16 | 11⅝16           | 18⅝13⅛16 | 12¼16    | 19⅝16 | 14¾16    | 12⅞16    |       |       |
|                                                                                                            | 12 | 42                     | AUF(+)-42-(*)-(+)60-12 | 13              | 7½    | 8⅛16  | 16⅝11⅛16 | 11⅛16 | 17⅞16 | 12⅝16 | 11⅝16           | 18⅝13⅛16 | 12¼16    | 19⅝16 | 14¾16    | 12⅞16    |       |       |
|                                                                                                            | 24 | 6                      | AUF(+)-06-(*)-(+)60-24 | 23⅞16           | 13½   | 15⅝16 | 27       | 17⅛16 | 18    | 27⅛16 | 18⅝16           | 16⅞16    | 28¾19⅛16 | 19⅝16 | 29⅛16    | 20¾19⅛16 |       |       |
|                                                                                                            | 24 | 9                      | AUF(+)-09-(*)-(+)60-24 | 23⅞16           | 13½   | 15⅝16 | 27       | 17⅛16 | 18    | 27⅛16 | 18⅝16           | 16⅞16    | 28¾19⅛16 | 19⅝16 | 29⅛16    | 20¾19⅛16 |       |       |
|                                                                                                            | 24 | 12                     | AUF(+)-12-(*)-(+)60-24 | 23⅞16           | 13½   | 15⅝16 | 27       | 17⅛16 | 18    | 27⅛16 | 18⅝16           | 16⅞16    | 28¾19⅛16 | 19⅝16 | 29⅛16    | 20¾19⅛16 |       |       |
|                                                                                                            | 24 | 18                     | AUF(+)-18-(*)-(+)60-24 | 23⅞16           | 13½   | 15⅝16 | 27       | 17⅛16 | 18    | 27⅛16 | 18⅝16           | 16⅞16    | 28¾19⅛16 | 19⅝16 | 29⅛16    | 20¾19⅛16 |       |       |
| 24                                                                                                         | 24 | AUF(+)-24-(*)-(+)60-24 | 23⅞16                  | 13½             | 15⅝16 | 27    | 17⅛16    | 18    | 27⅛16 | 18⅝16 | 16⅞16           | 28¾19⅛16 | 19⅝16    | 29⅛16 | 20¾19⅛16 |          |       |       |
| 24                                                                                                         | 30 | AUF(+)-30-(*)-(+)60-24 | 23⅞16                  | 13½             | 15⅝16 | 27    | 17⅛16    | 18    | 27⅛16 | 18⅝16 | 16⅞16           | 28¾19⅛16 | 19⅝16    | 29⅛16 | 20¾19⅛16 |          |       |       |
| 24                                                                                                         | 36 | AUF(+)-36-(*)-(+)60-24 | 23⅞16                  | 13½             | 15⅝16 | 27    | 17⅛16    | 18    | 27⅛16 | 18⅝16 | 16⅞16           | 28¾19⅛16 | 19⅝16    | 29⅛16 | 20¾19⅛16 |          |       |       |
| 24                                                                                                         | 42 | AUF(+)-42-(*)-(+)60-24 | 23⅞16                  | 13½             | 15⅝16 | 27    | 17⅛16    | 18    | 27⅛16 | 18⅝16 | 16⅞16           | 28¾19⅛16 | 19⅝16    | 29⅛16 | 20¾19⅛16 |          |       |       |
| <div>Inside bend</div>  | 36 | 6                      | AUF(+)-06-(*)-(+)60-36 | 33⅞16           | 19½   | 22⅞16 | 37⅞16    | 23⅛16 | 24⅛16 | 38⅞16 | 24⅞16           | 25⅞16    | 39⅞16    | 25⅛16 | 26⅞16    | 40⅞16    | 26¾16 | 26⅞16 |
|                                                                                                            | 36 | 9                      | AUF(+)-09-(*)-(+)60-36 | 33⅞16           | 19½   | 22⅞16 | 37⅞16    | 23⅛16 | 24⅛16 | 38⅞16 | 24⅞16           | 25⅞16    | 39⅞16    | 25⅛16 | 26⅞16    | 40⅞16    | 26¾16 | 26⅞16 |
|                                                                                                            | 36 | 12                     | AUF(+)-12-(*)-(+)60-36 | 33⅞16           | 19½   | 22⅞16 | 37⅞16    | 23⅛16 | 24⅛16 | 38⅞16 | 24⅞16           | 25⅞16    | 39⅞16    | 25⅛16 | 26⅞16    | 40⅞16    | 26¾16 | 26⅞16 |
|                                                                                                            | 36 | 18                     | AUF(+)-18-(*)-(+)60-36 | 33⅞16           | 19½   | 22⅞16 | 37⅞16    | 23⅛16 | 24⅛16 | 38⅞16 | 24⅞16           | 25⅞16    | 39⅞16    | 25⅛16 | 26⅞16    | 40⅞16    | 26¾16 | 26⅞16 |
|                                                                                                            | 36 | 24                     | AUF(+)-24-(*)-(+)60-36 | 33⅞16           | 19½   | 22⅞16 | 37⅞16    | 23⅛16 | 24⅛16 | 38⅞16 | 24⅞16           | 25⅞16    | 39⅞16    | 25⅛16 | 26⅞16    | 40⅞16    | 26¾16 | 26⅞16 |
|                                                                                                            | 36 | 30                     | AUF(+)-30-(*)-(+)60-36 | 33⅞16           | 19½   | 22⅞16 | 37⅞16    | 23⅛16 | 24⅛16 | 38⅞16 | 24⅞16           | 25⅞16    | 39⅞16    | 25⅛16 | 26⅞16    | 40⅞16    | 26¾16 | 26⅞16 |
|                                                                                                            | 36 | 36                     | AUF(+)-36-(*)-(+)60-36 | 33⅞16           | 19½   | 22⅞16 | 37⅞16    | 23⅛16 | 24⅛16 | 38⅞16 | 24⅞16           | 25⅞16    | 39⅞16    | 25⅛16 | 26⅞16    | 40⅞16    | 26¾16 | 26⅞16 |
|                                                                                                            | 36 | 42                     | AUF(+)-42-(*)-(+)60-36 | 33⅞16           | 19½   | 22⅞16 | 37⅞16    | 23⅛16 | 24⅛16 | 38⅞16 | 24⅞16           | 25⅞16    | 39⅞16    | 25⅛16 | 26⅞16    | 40⅞16    | 26¾16 | 26⅞16 |
|                                                                                                            | 48 | 6                      | AUF(+)-06-(*)-(+)60-48 | 44⅞16           | 25½   | 29⅞16 | 47⅞16    | 29⅛16 | 31⅞16 | 48⅞16 | 30⅞16           | 32⅞16    | 49⅞16    | 31⅛16 | 33⅞16    | 50⅞16    | 32¾16 | 33⅞16 |
|                                                                                                            | 48 | 9                      | AUF(+)-09-(*)-(+)60-48 | 44⅞16           | 25½   | 29⅞16 | 47⅞16    | 29⅛16 | 31⅞16 | 48⅞16 | 30⅞16           | 32⅞16    | 49⅞16    | 31⅛16 | 33⅞16    | 50⅞16    | 32¾16 | 33⅞16 |
|                                                                                                            | 48 | 12                     | AUF(+)-12-(*)-(+)60-48 | 44⅞16           | 25½   | 29⅞16 | 47⅞16    | 29⅛16 | 31⅞16 | 48⅞16 | 30⅞16           | 32⅞16    | 49⅞16    | 31⅛16 | 33⅞16    | 50⅞16    | 32¾16 | 33⅞16 |
|                                                                                                            | 48 | 18                     | AUF(+)-18-(*)-(+)60-48 | 44⅞16           | 25½   | 29⅞16 | 47⅞16    | 29⅛16 | 31⅞16 | 48⅞16 | 30⅞16           | 32⅞16    | 49⅞16    | 31⅛16 | 33⅞16    | 50⅞16    | 32¾16 | 33⅞16 |
| 48                                                                                                         | 24 | AUF(+)-24-(*)-(+)60-48 | 44⅞16                  | 25½             | 29⅞16 | 47⅞16 | 29⅛16    | 31⅞16 | 48⅞16 | 30⅞16 | 32⅞16           | 49⅞16    | 31⅛16    | 33⅞16 | 50⅞16    | 32¾16    | 33⅞16 |       |
| 48                                                                                                         | 30 | AUF(+)-30-(*)-(+)60-48 | 44⅞16                  | 25½             | 29⅞16 | 47⅞16 | 29⅛16    | 31⅞16 | 48⅞16 | 30⅞16 | 32⅞16           | 49⅞16    | 31⅛16    | 33⅞16 | 50⅞16    | 32¾16    | 33⅞16 |       |
| 48                                                                                                         | 36 | AUF(+)-36-(*)-(+)60-48 | 44⅞16                  | 25½             | 29⅞16 | 47⅞16 | 29⅛16    | 31⅞16 | 48⅞16 | 30⅞16 | 32⅞16           | 49⅞16    | 31⅛16    | 33⅞16 | 50⅞16    | 32¾16    | 33⅞16 |       |
| 48                                                                                                         | 42 | AUF(+)-42-(*)-(+)60-48 | 44⅞16                  | 25½             | 29⅞16 | 47⅞16 | 29⅛16    | 31⅞16 | 48⅞16 | 30⅞16 | 32⅞16           | 49⅞16    | 31⅛16    | 33⅞16 | 50⅞16    | 32¾16    | 33⅞16 |       |

(†) Insert side rail height. (\*) Insert bottom style (+) Insert "VO" for vertical outside or "VI" for vertical inside to complete cat. no. Includes 1 pair of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



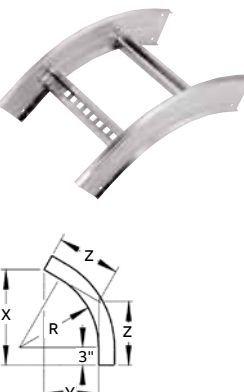
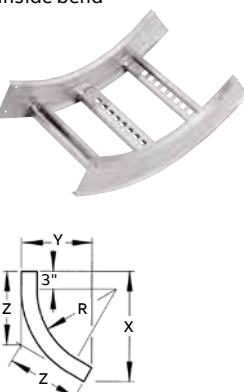
## Aluminum fittings

### 60° H-style vertical bend fittings

#### 60° Vertical bend – H-style

#### Selection guide

- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 60°
- Radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

|                                                                                     |              |    |    |                        |                                  |                                 |                                  |                                  |                                |                                 |                                  |                                  |                                  |                                  |                                  |                                 | Dimensions (in.)                 |                                  |                                  |  |  |  |
|-------------------------------------------------------------------------------------|--------------|----|----|------------------------|----------------------------------|---------------------------------|----------------------------------|----------------------------------|--------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|--|--|--|
|                                                                                     |              |    |    | (+ VO side rail        |                                  |                                 |                                  |                                  |                                |                                 |                                  |                                  | (+ VI side rail                  |                                  |                                  |                                 |                                  |                                  |                                  |  |  |  |
| Nominal                                                                             |              |    |    | 4 in. – 7 in.          |                                  |                                 | 4 in.                            |                                  |                                | 5 in.                           |                                  |                                  | 6 in.                            |                                  |                                  | 7 in.                           |                                  |                                  |                                  |  |  |  |
| Radius Width                                                                        |              |    |    |                        |                                  |                                 |                                  |                                  |                                |                                 |                                  |                                  |                                  |                                  |                                  |                                 |                                  |                                  |                                  |  |  |  |
| (in.) (in.) Cat. no.                                                                |              |    |    | X                      | Y                                | Z                               | X                                | Y                                | Z                              | X                               | Y                                | Z                                | X                                | Y                                | Z                                | X                               | Y                                | Z                                |                                  |  |  |  |
|   | Outside bend | 12 | 6  | AHF(+)-06-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>16</sub>  | 8 <sup>5</sup> / <sub>16</sub>  | 9 <sup>15</sup> / <sub>16</sub>  | 18 <sup>1</sup> / <sub>2</sub>   | 12 <sup>3</sup> / <sub>4</sub> | 12 <sup>5</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>16</sub>  | 20 <sup>5</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 13 <sup>1</sup> / <sub>2</sub>  | 21 <sup>1</sup> / <sub>8</sub>   | 15 <sup>13</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>8</sub>   |  |  |  |
|                                                                                     |              | 12 | 9  | AHF(+)-09-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>16</sub>  | 8 <sup>5</sup> / <sub>16</sub>  | 9 <sup>15</sup> / <sub>16</sub>  | 18 <sup>1</sup> / <sub>2</sub>   | 12 <sup>3</sup> / <sub>4</sub> | 12 <sup>5</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>16</sub>  | 20 <sup>5</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 13 <sup>1</sup> / <sub>2</sub>  | 21 <sup>1</sup> / <sub>8</sub>   | 15 <sup>13</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>8</sub>   |  |  |  |
|                                                                                     |              | 12 | 12 | AHF(+)-12-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>16</sub>  | 8 <sup>5</sup> / <sub>16</sub>  | 9 <sup>15</sup> / <sub>16</sub>  | 18 <sup>1</sup> / <sub>2</sub>   | 12 <sup>3</sup> / <sub>4</sub> | 12 <sup>5</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>16</sub>  | 20 <sup>5</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 13 <sup>1</sup> / <sub>2</sub>  | 21 <sup>1</sup> / <sub>8</sub>   | 15 <sup>13</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>8</sub>   |  |  |  |
|                                                                                     |              | 12 | 18 | AHF(+)-18-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>16</sub>  | 8 <sup>5</sup> / <sub>16</sub>  | 9 <sup>15</sup> / <sub>16</sub>  | 18 <sup>1</sup> / <sub>2</sub>   | 12 <sup>3</sup> / <sub>4</sub> | 12 <sup>5</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>16</sub>  | 20 <sup>5</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 13 <sup>1</sup> / <sub>2</sub>  | 21 <sup>1</sup> / <sub>8</sub>   | 15 <sup>13</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>8</sub>   |  |  |  |
|                                                                                     |              | 12 | 24 | AHF(+)-24-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>16</sub>  | 8 <sup>5</sup> / <sub>16</sub>  | 9 <sup>15</sup> / <sub>16</sub>  | 18 <sup>1</sup> / <sub>2</sub>   | 12 <sup>3</sup> / <sub>4</sub> | 12 <sup>5</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>16</sub>  | 20 <sup>5</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 13 <sup>1</sup> / <sub>2</sub>  | 21 <sup>1</sup> / <sub>8</sub>   | 15 <sup>13</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>8</sub>   |  |  |  |
|                                                                                     |              | 12 | 30 | AHF(+)-30-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>16</sub>  | 8 <sup>5</sup> / <sub>16</sub>  | 9 <sup>15</sup> / <sub>16</sub>  | 18 <sup>1</sup> / <sub>2</sub>   | 12 <sup>3</sup> / <sub>4</sub> | 12 <sup>5</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>16</sub>  | 20 <sup>5</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 13 <sup>1</sup> / <sub>2</sub>  | 21 <sup>1</sup> / <sub>8</sub>   | 15 <sup>13</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>8</sub>   |  |  |  |
|                                                                                     |              | 12 | 36 | AHF(+)-36-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>16</sub>  | 8 <sup>5</sup> / <sub>16</sub>  | 9 <sup>15</sup> / <sub>16</sub>  | 18 <sup>1</sup> / <sub>2</sub>   | 12 <sup>3</sup> / <sub>4</sub> | 12 <sup>5</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>16</sub>  | 20 <sup>5</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 13 <sup>1</sup> / <sub>2</sub>  | 21 <sup>1</sup> / <sub>8</sub>   | 15 <sup>13</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>8</sub>   |  |  |  |
|                                                                                     |              | 12 | 42 | AHF(+)-42-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>16</sub>  | 8 <sup>5</sup> / <sub>16</sub>  | 9 <sup>15</sup> / <sub>16</sub>  | 18 <sup>1</sup> / <sub>2</sub>   | 12 <sup>3</sup> / <sub>4</sub> | 12 <sup>5</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>16</sub>  | 20 <sup>5</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 13 <sup>1</sup> / <sub>2</sub>  | 21 <sup>1</sup> / <sub>8</sub>   | 15 <sup>13</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>8</sub>   |  |  |  |
|                                                                                     |              | 24 | 6  | AHF(+)-06-(*)-(+)60-24 | 25 <sup>5</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>16</sub>  | 18 <sup>3</sup> / <sub>4</sub> | 19 <sup>1</sup> / <sub>4</sub>  | 29 <sup>11</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 19 <sup>13</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 20 <sup>13</sup> / <sub>16</sub> | 20 <sup>7</sup> / <sub>16</sub> | 31 <sup>9</sup> / <sub>16</sub>  | 21 <sup>13</sup> / <sub>16</sub> | 21                               |  |  |  |
|                                                                                     |              | 24 | 9  | AHF(+)-09-(*)-(+)60-24 | 25 <sup>5</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>16</sub>  | 18 <sup>3</sup> / <sub>4</sub> | 19 <sup>1</sup> / <sub>4</sub>  | 29 <sup>11</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 19 <sup>13</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 20 <sup>13</sup> / <sub>16</sub> | 20 <sup>7</sup> / <sub>16</sub> | 31 <sup>9</sup> / <sub>16</sub>  | 21 <sup>13</sup> / <sub>16</sub> | 21                               |  |  |  |
|                                                                                     |              | 24 | 12 | AHF(+)-12-(*)-(+)60-24 | 25 <sup>5</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>16</sub>  | 18 <sup>3</sup> / <sub>4</sub> | 19 <sup>1</sup> / <sub>4</sub>  | 29 <sup>11</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 19 <sup>13</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 20 <sup>13</sup> / <sub>16</sub> | 20 <sup>7</sup> / <sub>16</sub> | 31 <sup>9</sup> / <sub>16</sub>  | 21 <sup>13</sup> / <sub>16</sub> | 21                               |  |  |  |
|                                                                                     |              | 24 | 18 | AHF(+)-18-(*)-(+)60-24 | 25 <sup>5</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>16</sub>  | 18 <sup>3</sup> / <sub>4</sub> | 19 <sup>1</sup> / <sub>4</sub>  | 29 <sup>11</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 19 <sup>13</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 20 <sup>13</sup> / <sub>16</sub> | 20 <sup>7</sup> / <sub>16</sub> | 31 <sup>9</sup> / <sub>16</sub>  | 21 <sup>13</sup> / <sub>16</sub> | 21                               |  |  |  |
|                                                                                     |              | 24 | 24 | AHF(+)-24-(*)-(+)60-24 | 25 <sup>5</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>16</sub>  | 18 <sup>3</sup> / <sub>4</sub> | 19 <sup>1</sup> / <sub>4</sub>  | 29 <sup>11</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 19 <sup>13</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 20 <sup>13</sup> / <sub>16</sub> | 20 <sup>7</sup> / <sub>16</sub> | 31 <sup>9</sup> / <sub>16</sub>  | 21 <sup>13</sup> / <sub>16</sub> | 21                               |  |  |  |
|                                                                                     |              | 24 | 30 | AHF(+)-30-(*)-(+)60-24 | 25 <sup>5</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>16</sub>  | 18 <sup>3</sup> / <sub>4</sub> | 19 <sup>1</sup> / <sub>4</sub>  | 29 <sup>11</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 19 <sup>13</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 20 <sup>13</sup> / <sub>16</sub> | 20 <sup>7</sup> / <sub>16</sub> | 31 <sup>9</sup> / <sub>16</sub>  | 21 <sup>13</sup> / <sub>16</sub> | 21                               |  |  |  |
|                                                                                     |              | 24 | 36 | AHF(+)-36-(*)-(+)60-24 | 25 <sup>5</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>16</sub>  | 18 <sup>3</sup> / <sub>4</sub> | 19 <sup>1</sup> / <sub>4</sub>  | 29 <sup>11</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 19 <sup>13</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 20 <sup>13</sup> / <sub>16</sub> | 20 <sup>7</sup> / <sub>16</sub> | 31 <sup>9</sup> / <sub>16</sub>  | 21 <sup>13</sup> / <sub>16</sub> | 21                               |  |  |  |
|                                                                                     |              | 24 | 42 | AHF(+)-42-(*)-(+)60-24 | 25 <sup>5</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>16</sub>  | 18 <sup>3</sup> / <sub>4</sub> | 19 <sup>1</sup> / <sub>4</sub>  | 29 <sup>11</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 19 <sup>13</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 20 <sup>13</sup> / <sub>16</sub> | 20 <sup>7</sup> / <sub>16</sub> | 31 <sup>9</sup> / <sub>16</sub>  | 21 <sup>13</sup> / <sub>16</sub> | 21                               |  |  |  |
|  | Inside bend  | 36 | 6  | AHF(+)-06-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 20 <sup>5</sup> / <sub>16</sub> | 23 <sup>13</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub>  | 24 <sup>3</sup> / <sub>4</sub> | 26 <sup>3</sup> / <sub>16</sub> | 40 <sup>1</sup> / <sub>16</sub>  | 25 <sup>11</sup> / <sub>16</sub> | 26 <sup>11</sup> / <sub>16</sub> | 41 <sup>1</sup> / <sub>16</sub>  | 26 <sup>13</sup> / <sub>16</sub> | 27 <sup>3</sup> / <sub>8</sub>  | 41 <sup>15</sup> / <sub>16</sub> | 27 <sup>13</sup> / <sub>16</sub> | 27 <sup>15</sup> / <sub>16</sub> |  |  |  |
|                                                                                     |              | 36 | 9  | AHF(+)-09-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 20 <sup>5</sup> / <sub>16</sub> | 23 <sup>13</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub>  | 24 <sup>3</sup> / <sub>4</sub> | 26 <sup>3</sup> / <sub>16</sub> | 40 <sup>1</sup> / <sub>16</sub>  | 25 <sup>11</sup> / <sub>16</sub> | 26 <sup>11</sup> / <sub>16</sub> | 41 <sup>1</sup> / <sub>16</sub>  | 26 <sup>13</sup> / <sub>16</sub> | 27 <sup>3</sup> / <sub>8</sub>  | 41 <sup>15</sup> / <sub>16</sub> | 27 <sup>13</sup> / <sub>16</sub> | 27 <sup>15</sup> / <sub>16</sub> |  |  |  |
|                                                                                     |              | 36 | 12 | AHF(+)-12-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 20 <sup>5</sup> / <sub>16</sub> | 23 <sup>13</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub>  | 24 <sup>3</sup> / <sub>4</sub> | 26 <sup>3</sup> / <sub>16</sub> | 40 <sup>1</sup> / <sub>16</sub>  | 25 <sup>11</sup> / <sub>16</sub> | 26 <sup>11</sup> / <sub>16</sub> | 41 <sup>1</sup> / <sub>16</sub>  | 26 <sup>13</sup> / <sub>16</sub> | 27 <sup>3</sup> / <sub>8</sub>  | 41 <sup>15</sup> / <sub>16</sub> | 27 <sup>13</sup> / <sub>16</sub> | 27 <sup>15</sup> / <sub>16</sub> |  |  |  |
|                                                                                     |              | 36 | 18 | AHF(+)-18-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 20 <sup>5</sup> / <sub>16</sub> | 23 <sup>13</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub>  | 24 <sup>3</sup> / <sub>4</sub> | 26 <sup>3</sup> / <sub>16</sub> | 40 <sup>1</sup> / <sub>16</sub>  | 25 <sup>11</sup> / <sub>16</sub> | 26 <sup>11</sup> / <sub>16</sub> | 41 <sup>1</sup> / <sub>16</sub>  | 26 <sup>13</sup> / <sub>16</sub> | 27 <sup>3</sup> / <sub>8</sub>  | 41 <sup>15</sup> / <sub>16</sub> | 27 <sup>13</sup> / <sub>16</sub> | 27 <sup>15</sup> / <sub>16</sub> |  |  |  |
|                                                                                     |              | 36 | 24 | AHF(+)-24-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 20 <sup>5</sup> / <sub>16</sub> | 23 <sup>13</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub>  | 24 <sup>3</sup> / <sub>4</sub> | 26 <sup>3</sup> / <sub>16</sub> | 40 <sup>1</sup> / <sub>16</sub>  | 25 <sup>11</sup> / <sub>16</sub> | 26 <sup>11</sup> / <sub>16</sub> | 41 <sup>1</sup> / <sub>16</sub>  | 26 <sup>13</sup> / <sub>16</sub> | 27 <sup>3</sup> / <sub>8</sub>  | 41 <sup>15</sup> / <sub>16</sub> | 27 <sup>13</sup> / <sub>16</sub> | 27 <sup>15</sup> / <sub>16</sub> |  |  |  |
|                                                                                     |              | 36 | 30 | AHF(+)-30-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 20 <sup>5</sup> / <sub>16</sub> | 23 <sup>13</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub>  | 24 <sup>3</sup> / <sub>4</sub> | 26 <sup>3</sup> / <sub>16</sub> | 40 <sup>1</sup> / <sub>16</sub>  | 25 <sup>11</sup> / <sub>16</sub> | 26 <sup>11</sup> / <sub>16</sub> | 41 <sup>1</sup> / <sub>16</sub>  | 26 <sup>13</sup> / <sub>16</sub> | 27 <sup>3</sup> / <sub>8</sub>  | 41 <sup>15</sup> / <sub>16</sub> | 27 <sup>13</sup> / <sub>16</sub> | 27 <sup>15</sup> / <sub>16</sub> |  |  |  |
|                                                                                     |              | 36 | 36 | AHF(+)-36-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 20 <sup>5</sup> / <sub>16</sub> | 23 <sup>13</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub>  | 24 <sup>3</sup> / <sub>4</sub> | 26 <sup>3</sup> / <sub>16</sub> | 40 <sup>1</sup> / <sub>16</sub>  | 25 <sup>11</sup> / <sub>16</sub> | 26 <sup>11</sup> / <sub>16</sub> | 41 <sup>1</sup> / <sub>16</sub>  | 26 <sup>13</sup> / <sub>16</sub> | 27 <sup>3</sup> / <sub>8</sub>  | 41 <sup>15</sup> / <sub>16</sub> | 27 <sup>13</sup> / <sub>16</sub> | 27 <sup>15</sup> / <sub>16</sub> |  |  |  |
|                                                                                     |              | 36 | 42 | AHF(+)-42-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 20 <sup>5</sup> / <sub>16</sub> | 23 <sup>13</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub>  | 24 <sup>3</sup> / <sub>4</sub> | 26 <sup>3</sup> / <sub>16</sub> | 40 <sup>1</sup> / <sub>16</sub>  | 25 <sup>11</sup> / <sub>16</sub> | 26 <sup>11</sup> / <sub>16</sub> | 41 <sup>1</sup> / <sub>16</sub>  | 26 <sup>13</sup> / <sub>16</sub> | 27 <sup>3</sup> / <sub>8</sub>  | 41 <sup>15</sup> / <sub>16</sub> | 27 <sup>13</sup> / <sub>16</sub> | 27 <sup>15</sup> / <sub>16</sub> |  |  |  |
|                                                                                     |              | 48 | 6  | AHF(+)-06-(*)-(+)60-48 | 46 <sup>1</sup> / <sub>16</sub>  | 26 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 49 <sup>11</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>8</sub>  | 50 <sup>7</sup> / <sub>16</sub>  | 31 <sup>11</sup> / <sub>16</sub> | 33 <sup>5</sup> / <sub>8</sub>   | 51 <sup>1</sup> / <sub>2</sub>   | 32 <sup>13</sup> / <sub>16</sub> | 34 <sup>5</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub>  | 33 <sup>13</sup> / <sub>16</sub> | 34 <sup>7</sup> / <sub>8</sub>   |  |  |  |
|                                                                                     |              | 48 | 9  | AHF(+)-09-(*)-(+)60-48 | 46 <sup>1</sup> / <sub>16</sub>  | 26 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 49 <sup>11</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>8</sub>  | 50 <sup>7</sup> / <sub>16</sub>  | 31 <sup>11</sup> / <sub>16</sub> | 33 <sup>5</sup> / <sub>8</sub>   | 51 <sup>1</sup> / <sub>2</sub>   | 32 <sup>13</sup> / <sub>16</sub> | 34 <sup>5</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub>  | 33 <sup>13</sup> / <sub>16</sub> | 34 <sup>7</sup> / <sub>8</sub>   |  |  |  |
|                                                                                     |              | 48 | 12 | AHF(+)-12-(*)-(+)60-48 | 46 <sup>1</sup> / <sub>16</sub>  | 26 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 49 <sup>11</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>8</sub>  | 50 <sup>7</sup> / <sub>16</sub>  | 31 <sup>11</sup> / <sub>16</sub> | 33 <sup>5</sup> / <sub>8</sub>   | 51 <sup>1</sup> / <sub>2</sub>   | 32 <sup>13</sup> / <sub>16</sub> | 34 <sup>5</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub>  | 33 <sup>13</sup> / <sub>16</sub> | 34 <sup>7</sup> / <sub>8</sub>   |  |  |  |
|                                                                                     |              | 48 | 18 | AHF(+)-18-(*)-(+)60-48 | 46 <sup>1</sup> / <sub>16</sub>  | 26 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 49 <sup>11</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>8</sub>  | 50 <sup>7</sup> / <sub>16</sub>  | 31 <sup>11</sup> / <sub>16</sub> | 33 <sup>5</sup> / <sub>8</sub>   | 51 <sup>1</sup> / <sub>2</sub>   | 32 <sup>13</sup> / <sub>16</sub> | 34 <sup>5</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub>  | 33 <sup>13</sup> / <sub>16</sub> | 34 <sup>7</sup> / <sub>8</sub>   |  |  |  |
|                                                                                     |              | 48 | 24 | AHF(+)-24-(*)-(+)60-48 | 46 <sup>1</sup> / <sub>16</sub>  | 26 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 49 <sup>11</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>8</sub>  | 50 <sup>7</sup> / <sub>16</sub>  | 31 <sup>11</sup> / <sub>16</sub> | 33 <sup>5</sup> / <sub>8</sub>   | 51 <sup>1</sup> / <sub>2</sub>   | 32 <sup>13</sup> / <sub>16</sub> | 34 <sup>5</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub>  | 33 <sup>13</sup> / <sub>16</sub> | 34 <sup>7</sup> / <sub>8</sub>   |  |  |  |
|                                                                                     |              | 48 | 30 | AHF(+)-30-(*)-(+)60-48 | 46 <sup>1</sup> / <sub>16</sub>  | 26 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 49 <sup>11</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>8</sub>  | 50 <sup>7</sup> / <sub>16</sub>  | 31 <sup>11</sup> / <sub>16</sub> | 33 <sup>5</sup> / <sub>8</sub>   | 51 <sup>1</sup> / <sub>2</sub>   | 32 <sup>13</sup> / <sub>16</sub> | 34 <sup>5</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub>  | 33 <sup>13</sup> / <sub>16</sub> | 34 <sup>7</sup> / <sub>8</sub>   |  |  |  |
|                                                                                     |              | 48 | 36 | AHF(+)-36-(*)-(+)60-48 | 46 <sup>1</sup> / <sub>16</sub>  | 26 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 49 <sup>11</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>8</sub>  | 50 <sup>7</sup> / <sub>16</sub>  | 31 <sup>11</sup> / <sub>16</sub> | 33 <sup>5</sup> / <sub>8</sub>   | 51 <sup>1</sup> / <sub>2</sub>   | 32 <sup>13</sup> / <sub>16</sub> | 34 <sup>5</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub>  | 33 <sup>13</sup> / <sub>16</sub> | 34 <sup>7</sup> / <sub>8</sub>   |  |  |  |
|                                                                                     |              | 48 | 42 | AHF(+)-42-(*)-(+)60-48 | 46 <sup>1</sup> / <sub>16</sub>  | 26 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 49 <sup>11</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>4</sub> | 33 <sup>3</sup> / <sub>8</sub>  | 50 <sup>7</sup> / <sub>16</sub>  | 31 <sup>11</sup> / <sub>16</sub> | 33 <sup>5</sup> / <sub>8</sub>   | 51 <sup>1</sup> / <sub>2</sub>   | 32 <sup>13</sup> / <sub>16</sub> | 34 <sup>5</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub>  | 33 <sup>13</sup> / <sub>16</sub> | 34 <sup>7</sup> / <sub>8</sub>   |  |  |  |

(†) Insert side rail height. (\*) Insert bottom style (+) Insert "VO" for vertical outside or "VI" for vertical inside to complete cat. no. Includes 1 pair of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

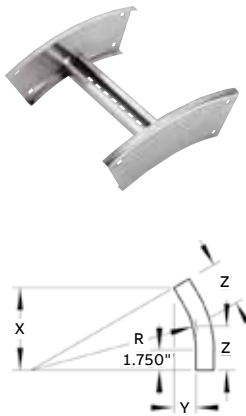
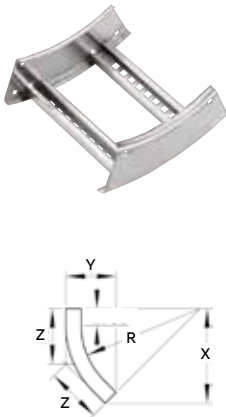
## Aluminum fittings

### 45° U-style vertical bend fittings

#### Selection guide

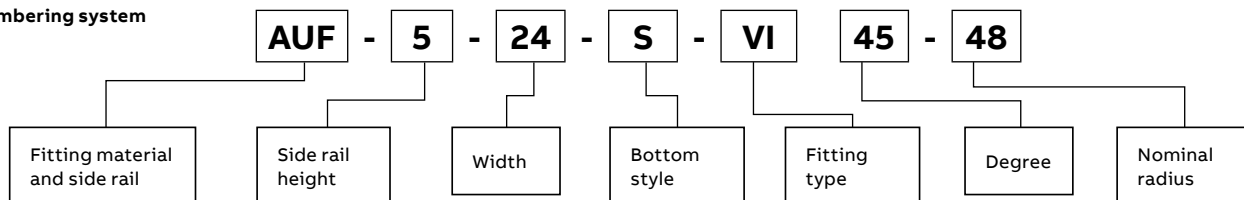
- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 45°
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

#### 45° Vertical bend – U-style

|                                                                                     |         |        |                        | Dimensions (in.) |         |         |         |         |        |                  |        |         |         |         |        |        |        |         |
|-------------------------------------------------------------------------------------|---------|--------|------------------------|------------------|---------|---------|---------|---------|--------|------------------|--------|---------|---------|---------|--------|--------|--------|---------|
|                                                                                     |         |        |                        | (+ VO side rail) |         |         |         |         |        | (+ VI side rail) |        |         |         |         |        |        |        |         |
|                                                                                     | Nominal | Radius | Width                  | 4 in. – 7 in.    |         |         | 4 in.   |         |        | 5 in.            |        |         | 6 in.   |         |        | 7 in.  |        |         |
|                                                                                     | (in.)   | (in.)  | Cat. no.               | X                | Y       | Z       | X       | Y       | Z      | X                | Y      | Z       | X       | Y       | Z      | X      | Y      | Z       |
|   | 12      | 6      | AUF(+)-06-(*)-(+)45-12 | 11½              | 4¾      | 6¾      | 147/16  | 815/16  | 87/16  | 151/16           | 913/16 | 813/16  | 157/8   | 1015/16 | 95/16  | 169/16 | 12     | 9¾      |
|                                                                                     | 12      | 9      | AUF(+)-09-(*)-(+)45-12 | 11½              | 4¾      | 6¾      | 147/16  | 815/16  | 87/16  | 151/16           | 913/16 | 813/16  | 157/8   | 1015/16 | 95/16  | 169/16 | 12     | 9¾      |
|                                                                                     | 12      | 12     | AUF(+)-12-(*)-(+)45-12 | 11½              | 4¾      | 6¾      | 147/16  | 815/16  | 87/16  | 151/16           | 913/16 | 813/16  | 157/8   | 1015/16 | 95/16  | 169/16 | 12     | 9¾      |
|                                                                                     | 12      | 18     | AUF(+)-18-(*)-(+)45-12 | 11½              | 4¾      | 6¾      | 147/16  | 815/16  | 87/16  | 151/16           | 913/16 | 813/16  | 157/8   | 1015/16 | 95/16  | 169/16 | 12     | 9¾      |
|                                                                                     | 12      | 24     | AUF(+)-24-(*)-(+)45-12 | 11½              | 4¾      | 6¾      | 147/16  | 815/16  | 87/16  | 151/16           | 913/16 | 813/16  | 157/8   | 1015/16 | 95/16  | 169/16 | 12     | 9¾      |
|                                                                                     | 12      | 30     | AUF(+)-30-(*)-(+)45-12 | 11½              | 4¾      | 6¾      | 147/16  | 815/16  | 87/16  | 151/16           | 913/16 | 813/16  | 157/8   | 1015/16 | 95/16  | 169/16 | 12     | 9¾      |
|                                                                                     | 12      | 36     | AUF(+)-36-(*)-(+)45-12 | 11½              | 4¾      | 6¾      | 147/16  | 815/16  | 87/16  | 151/16           | 913/16 | 813/16  | 157/8   | 1015/16 | 95/16  | 169/16 | 12     | 9¾      |
|                                                                                     | 12      | 42     | AUF(+)-42-(*)-(+)45-12 | 11½              | 4¾      | 6¾      | 147/16  | 815/16  | 87/16  | 151/16           | 913/16 | 813/16  | 157/8   | 1015/16 | 95/16  | 169/16 | 12     | 9¾      |
|                                                                                     | 24      | 6      | AUF(+)-06-(*)-(+)45-24 | 1915/16          | 8¾      | 1113/16 | 2215/16 | 127/16  | 137/16 | 233/16           | 133/8  | 1313/16 | 245/16  | 147/16  | 14¼    | 251/16 | 15½    | 1411/16 |
|                                                                                     | 24      | 9      | AUF(+)-09-(*)-(+)45-24 | 1915/16          | 8¾      | 1113/16 | 2215/16 | 127/16  | 137/16 | 233/16           | 133/8  | 1313/16 | 245/16  | 147/16  | 14¼    | 251/16 | 15½    | 1411/16 |
|                                                                                     | 24      | 12     | AUF(+)-12-(*)-(+)45-24 | 1915/16          | 8¾      | 1113/16 | 2215/16 | 127/16  | 137/16 | 233/16           | 133/8  | 1313/16 | 245/16  | 147/16  | 14¼    | 251/16 | 15½    | 1411/16 |
|                                                                                     | 24      | 18     | AUF(+)-18-(*)-(+)45-24 | 1915/16          | 8¾      | 1113/16 | 2215/16 | 127/16  | 137/16 | 233/16           | 133/8  | 1313/16 | 245/16  | 147/16  | 14¼    | 251/16 | 15½    | 1411/16 |
|  | 24      | 24     | AUF(+)-24-(*)-(+)45-24 | 1915/16          | 8¾      | 1113/16 | 2215/16 | 127/16  | 137/16 | 233/16           | 133/8  | 1313/16 | 245/16  | 147/16  | 14¼    | 251/16 | 15½    | 1411/16 |
|                                                                                     | 24      | 30     | AUF(+)-30-(*)-(+)45-24 | 1915/16          | 8¾      | 1113/16 | 2215/16 | 127/16  | 137/16 | 233/16           | 133/8  | 1313/16 | 245/16  | 147/16  | 14¼    | 251/16 | 15½    | 1411/16 |
|                                                                                     | 24      | 36     | AUF(+)-36-(*)-(+)45-24 | 1915/16          | 8¾      | 1113/16 | 2215/16 | 127/16  | 137/16 | 233/16           | 133/8  | 1313/16 | 245/16  | 147/16  | 14¼    | 251/16 | 15½    | 1411/16 |
|                                                                                     | 24      | 42     | AUF(+)-42-(*)-(+)45-24 | 1915/16          | 8¾      | 1113/16 | 2215/16 | 127/16  | 137/16 | 233/16           | 133/8  | 1313/16 | 245/16  | 147/16  | 14¼    | 251/16 | 15½    | 1411/16 |
|                                                                                     | 36      | 6      | AUF(+)-06-(*)-(+)45-36 | 287/16           | 1113/16 | 1611/16 | 313/8   | 1515/16 | 183/8  | 321/16           | 167/8  | 183/4   | 3213/16 | 18      | 19¼    | 333/16 | 19     | 1911/16 |
|                                                                                     | 36      | 9      | AUF(+)-09-(*)-(+)45-36 | 287/16           | 1113/16 | 1611/16 | 313/8   | 1515/16 | 183/8  | 321/16           | 167/8  | 183/4   | 3213/16 | 18      | 19¼    | 333/16 | 19     | 1911/16 |
|                                                                                     | 36      | 12     | AUF(+)-12-(*)-(+)45-36 | 287/16           | 1113/16 | 1611/16 | 313/8   | 1515/16 | 183/8  | 321/16           | 167/8  | 183/4   | 3213/16 | 18      | 19¼    | 333/16 | 19     | 1911/16 |
|                                                                                     | 36      | 18     | AUF(+)-18-(*)-(+)45-36 | 287/16           | 1113/16 | 1611/16 | 313/8   | 1515/16 | 183/8  | 321/16           | 167/8  | 183/4   | 3213/16 | 18      | 19¼    | 333/16 | 19     | 1911/16 |
|                                                                                     | 36      | 24     | AUF(+)-24-(*)-(+)45-36 | 287/16           | 1113/16 | 1611/16 | 313/8   | 1515/16 | 183/8  | 321/16           | 167/8  | 183/4   | 3213/16 | 18      | 19¼    | 333/16 | 19     | 1911/16 |
|                                                                                     | 36      | 30     | AUF(+)-30-(*)-(+)45-36 | 287/16           | 1113/16 | 1611/16 | 313/8   | 1515/16 | 183/8  | 321/16           | 167/8  | 183/4   | 3213/16 | 18      | 19¼    | 333/16 | 19     | 1911/16 |
|                                                                                     | 36      | 36     | AUF(+)-36-(*)-(+)45-36 | 287/16           | 1113/16 | 1611/16 | 313/8   | 1515/16 | 183/8  | 321/16           | 167/8  | 183/4   | 3213/16 | 18      | 19¼    | 333/16 | 19     | 1911/16 |
|                                                                                     | 36      | 42     | AUF(+)-42-(*)-(+)45-36 | 287/16           | 1113/16 | 1611/16 | 313/8   | 1515/16 | 183/8  | 321/16           | 167/8  | 183/4   | 3213/16 | 18      | 19¼    | 333/16 | 19     | 1911/16 |
|                                                                                     | 48      | 6      | AUF(+)-06-(*)-(+)45-48 | 3615/16          | 151/16  | 211/8   | 397/8   | 19½     | 233/8  | 40½              | 203/8  | 23¾     | 411/16  | 21½     | 243/16 | 42¼    | 229/16 | 24½     |
|                                                                                     | 48      | 9      | AUF(+)-09-(*)-(+)45-48 | 3615/16          | 151/16  | 211/8   | 397/8   | 19½     | 233/8  | 40½              | 203/8  | 23¾     | 411/16  | 21½     | 243/16 | 42¼    | 229/16 | 24½     |
|                                                                                     | 48      | 12     | AUF(+)-12-(*)-(+)45-48 | 3615/16          | 151/16  | 211/8   | 397/8   | 19½     | 233/8  | 40½              | 203/8  | 23¾     | 411/16  | 21½     | 243/16 | 42¼    | 229/16 | 24½     |
|                                                                                     | 48      | 18     | AUF(+)-18-(*)-(+)45-48 | 3615/16          | 151/16  | 211/8   | 397/8   | 19½     | 233/8  | 40½              | 203/8  | 23¾     | 411/16  | 21½     | 243/16 | 42¼    | 229/16 | 24½     |
|                                                                                     | 48      | 24     | AUF(+)-24-(*)-(+)45-48 | 3615/16          | 151/16  | 211/8   | 397/8   | 19½     | 233/8  | 40½              | 203/8  | 23¾     | 411/16  | 21½     | 243/16 | 42¼    | 229/16 | 24½     |
|                                                                                     | 48      | 30     | AUF(+)-30-(*)-(+)45-48 | 3615/16          | 151/16  | 211/8   | 397/8   | 19½     | 233/8  | 40½              | 203/8  | 23¾     | 411/16  | 21½     | 243/16 | 42¼    | 229/16 | 24½     |
|                                                                                     | 48      | 36     | AUF(+)-36-(*)-(+)45-48 | 3615/16          | 151/16  | 211/8   | 397/8   | 19½     | 233/8  | 40½              | 203/8  | 23¾     | 411/16  | 21½     | 243/16 | 42¼    | 229/16 | 24½     |
|                                                                                     | 48      | 42     | AUF(+)-42-(*)-(+)45-48 | 3615/16          | 151/16  | 211/8   | 397/8   | 19½     | 233/8  | 40½              | 203/8  | 23¾     | 411/16  | 21½     | 243/16 | 42¼    | 229/16 | 24½     |

(†) Insert side rail height. (\*) Insert bottom style (+) Insert "VO" for vertical outside or "VI" for vertical inside to complete cat. no. Includes 1 pair of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



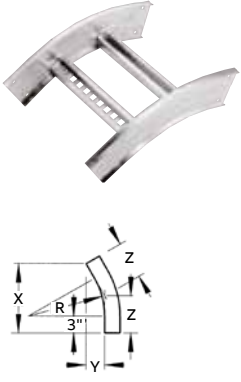
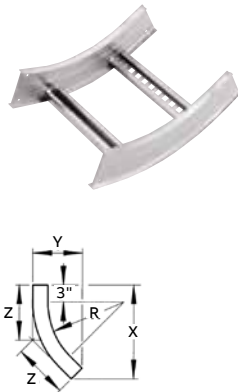
## Aluminum fittings

### 45° H-style vertical bend fittings

#### 45° Vertical bend – H-style

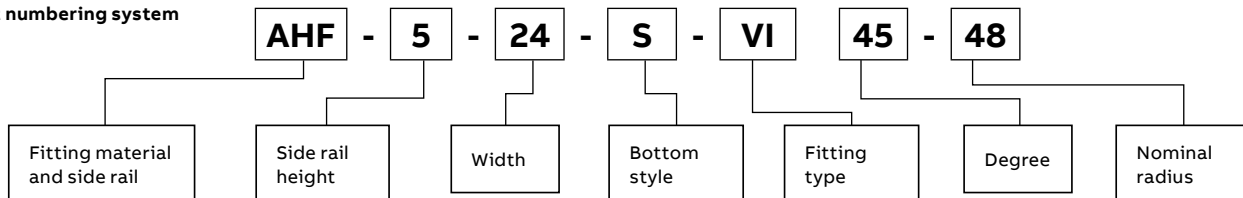
#### Selection guide

- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 45°
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

|                                                                                                    | Nominal<br>Radius Width<br>(in.) (in.) |    | Cat. no.               | (+ ) VO side rail               |                                  |                                  | Dimensions (in.)                |                                  |                                  |                                  |                                  |                                  |                                |                                 |                                 |                                  |                                |                                  |
|----------------------------------------------------------------------------------------------------|----------------------------------------|----|------------------------|---------------------------------|----------------------------------|----------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|--------------------------------|---------------------------------|---------------------------------|----------------------------------|--------------------------------|----------------------------------|
|                                                                                                    |                                        |    |                        | 4 in. – 7 in.                   |                                  |                                  | (+ ) VI side rail               |                                  |                                  |                                  |                                  |                                  |                                |                                 |                                 |                                  |                                |                                  |
|                                                                                                    |                                        |    |                        | 4 in. – 7 in.                   |                                  |                                  | 4 in.                           |                                  | 5 in.                            |                                  |                                  | 6 in.                            |                                | 7 in.                           |                                 |                                  |                                |                                  |
|                                                                                                    |                                        |    |                        | X                               | Y                                | Z                                | X                               | Y                                | Z                                | X                                | Y                                | Z                                | X                              | Y                               | Z                               | X                                | Y                              | Z                                |
| Outside bend<br> | 12                                     | 6  | AHF(t)-06-(*)-(+)45-12 | 13 <sup>5</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub>   | 8                                | 16 <sup>5</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub>  | 9 <sup>13</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>16</sub>  | 10 <sup>11</sup> / <sub>16</sub> | 10 <sup>11</sup> / <sub>16</sub> | 18                             | 11 <sup>7</sup> / <sub>8</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 18 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>8</sub> | 10 <sup>15</sup> / <sub>16</sub> |
|                                                                                                    | 12                                     | 9  | AHF(t)-09-(*)-(+)45-12 | 13 <sup>5</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub>   | 8                                | 16 <sup>5</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub>  | 9 <sup>13</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>16</sub>  | 10 <sup>11</sup> / <sub>16</sub> | 10 <sup>11</sup> / <sub>16</sub> | 18                             | 11 <sup>7</sup> / <sub>8</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 18 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>8</sub> | 10 <sup>15</sup> / <sub>16</sub> |
|                                                                                                    | 12                                     | 12 | AHF(t)-12-(*)-(+)45-12 | 13 <sup>5</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub>   | 8                                | 16 <sup>5</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub>  | 9 <sup>13</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>16</sub>  | 10 <sup>11</sup> / <sub>16</sub> | 10 <sup>11</sup> / <sub>16</sub> | 18                             | 11 <sup>7</sup> / <sub>8</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 18 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>8</sub> | 10 <sup>15</sup> / <sub>16</sub> |
|                                                                                                    | 12                                     | 18 | AHF(t)-18-(*)-(+)45-12 | 13 <sup>5</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub>   | 8                                | 16 <sup>5</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub>  | 9 <sup>13</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>16</sub>  | 10 <sup>11</sup> / <sub>16</sub> | 10 <sup>11</sup> / <sub>16</sub> | 18                             | 11 <sup>7</sup> / <sub>8</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 18 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>8</sub> | 10 <sup>15</sup> / <sub>16</sub> |
|                                                                                                    | 12                                     | 24 | AHF(t)-24-(*)-(+)45-12 | 13 <sup>5</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub>   | 8                                | 16 <sup>5</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub>  | 9 <sup>13</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>16</sub>  | 10 <sup>11</sup> / <sub>16</sub> | 10 <sup>11</sup> / <sub>16</sub> | 18                             | 11 <sup>7</sup> / <sub>8</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 18 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>8</sub> | 10 <sup>15</sup> / <sub>16</sub> |
|                                                                                                    | 12                                     | 30 | AHF(t)-30-(*)-(+)45-12 | 13 <sup>5</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub>   | 8                                | 16 <sup>5</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub>  | 9 <sup>13</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>16</sub>  | 10 <sup>11</sup> / <sub>16</sub> | 10 <sup>11</sup> / <sub>16</sub> | 18                             | 11 <sup>7</sup> / <sub>8</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 18 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>8</sub> | 10 <sup>15</sup> / <sub>16</sub> |
|                                                                                                    | 12                                     | 36 | AHF(t)-36-(*)-(+)45-12 | 13 <sup>5</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub>   | 8                                | 16 <sup>5</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub>  | 9 <sup>13</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>16</sub>  | 10 <sup>11</sup> / <sub>16</sub> | 10 <sup>11</sup> / <sub>16</sub> | 18                             | 11 <sup>7</sup> / <sub>8</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 18 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>8</sub> | 10 <sup>15</sup> / <sub>16</sub> |
|                                                                                                    | 12                                     | 42 | AHF(t)-42-(*)-(+)45-12 | 13 <sup>5</sup> / <sub>16</sub> | 5 <sup>5</sup> / <sub>16</sub>   | 8                                | 16 <sup>5</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub>  | 9 <sup>13</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>16</sub>  | 10 <sup>11</sup> / <sub>16</sub> | 10 <sup>11</sup> / <sub>16</sub> | 18                             | 11 <sup>7</sup> / <sub>8</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 18 <sup>11</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>8</sub> | 10 <sup>15</sup> / <sub>16</sub> |
|                                                                                                    | 24                                     | 6  | AHF(t)-06-(*)-(+)45-24 | 22 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>    | 12 <sup>15</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>4</sub>   | 15 <sup>1</sup> / <sub>16</sub>  | 26 <sup>1</sup> / <sub>2</sub> | 15 <sup>3</sup> / <sub>8</sub>  | 15 <sup>1</sup> / <sub>2</sub>  | 27 <sup>3</sup> / <sub>16</sub>  | 16 <sup>3</sup> / <sub>8</sub> | 15 <sup>15</sup> / <sub>16</sub> |
|                                                                                                    | 24                                     | 9  | AHF(t)-09-(*)-(+)45-24 | 22 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>    | 12 <sup>15</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>4</sub>   | 15 <sup>1</sup> / <sub>16</sub>  | 26 <sup>1</sup> / <sub>2</sub> | 15 <sup>3</sup> / <sub>8</sub>  | 15 <sup>1</sup> / <sub>2</sub>  | 27 <sup>3</sup> / <sub>16</sub>  | 16 <sup>3</sup> / <sub>8</sub> | 15 <sup>15</sup> / <sub>16</sub> |
|                                                                                                    | 24                                     | 12 | AHF(t)-12-(*)-(+)45-24 | 22 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>    | 12 <sup>15</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>4</sub>   | 15 <sup>1</sup> / <sub>16</sub>  | 26 <sup>1</sup> / <sub>2</sub> | 15 <sup>3</sup> / <sub>8</sub>  | 15 <sup>1</sup> / <sub>2</sub>  | 27 <sup>3</sup> / <sub>16</sub>  | 16 <sup>3</sup> / <sub>8</sub> | 15 <sup>15</sup> / <sub>16</sub> |
|                                                                                                    | 24                                     | 18 | AHF(t)-18-(*)-(+)45-24 | 22 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>    | 12 <sup>15</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>4</sub>   | 15 <sup>1</sup> / <sub>16</sub>  | 26 <sup>1</sup> / <sub>2</sub> | 15 <sup>3</sup> / <sub>8</sub>  | 15 <sup>1</sup> / <sub>2</sub>  | 27 <sup>3</sup> / <sub>16</sub>  | 16 <sup>3</sup> / <sub>8</sub> | 15 <sup>15</sup> / <sub>16</sub> |
|                                                                                                    | 24                                     | 24 | AHF(t)-24-(*)-(+)45-24 | 22 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>    | 12 <sup>15</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>4</sub>   | 15 <sup>1</sup> / <sub>16</sub>  | 26 <sup>1</sup> / <sub>2</sub> | 15 <sup>3</sup> / <sub>8</sub>  | 15 <sup>1</sup> / <sub>2</sub>  | 27 <sup>3</sup> / <sub>16</sub>  | 16 <sup>3</sup> / <sub>8</sub> | 15 <sup>15</sup> / <sub>16</sub> |
|                                                                                                    | 24                                     | 30 | AHF(t)-30-(*)-(+)45-24 | 22 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>    | 12 <sup>15</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>4</sub>   | 15 <sup>1</sup> / <sub>16</sub>  | 26 <sup>1</sup> / <sub>2</sub> | 15 <sup>3</sup> / <sub>8</sub>  | 15 <sup>1</sup> / <sub>2</sub>  | 27 <sup>3</sup> / <sub>16</sub>  | 16 <sup>3</sup> / <sub>8</sub> | 15 <sup>15</sup> / <sub>16</sub> |
|                                                                                                    | 24                                     | 36 | AHF(t)-36-(*)-(+)45-24 | 22 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>    | 12 <sup>15</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>4</sub>   | 15 <sup>1</sup> / <sub>16</sub>  | 26 <sup>1</sup> / <sub>2</sub> | 15 <sup>3</sup> / <sub>8</sub>  | 15 <sup>1</sup> / <sub>2</sub>  | 27 <sup>3</sup> / <sub>16</sub>  | 16 <sup>3</sup> / <sub>8</sub> | 15 <sup>15</sup> / <sub>16</sub> |
|                                                                                                    | 24                                     | 42 | AHF(t)-42-(*)-(+)45-24 | 22 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>    | 12 <sup>15</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>4</sub>   | 15 <sup>1</sup> / <sub>16</sub>  | 26 <sup>1</sup> / <sub>2</sub> | 15 <sup>3</sup> / <sub>8</sub>  | 15 <sup>1</sup> / <sub>2</sub>  | 27 <sup>3</sup> / <sub>16</sub>  | 16 <sup>3</sup> / <sub>8</sub> | 15 <sup>15</sup> / <sub>16</sub> |
| Inside bend<br> | 36                                     | 6  | AHF(t)-06-(*)-(+)45-36 | 30 <sup>9</sup> / <sub>16</sub> | 12 <sup>11</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 33 <sup>1</sup> / <sub>2</sub>  | 16 <sup>13</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>8</sub>   | 34 <sup>3</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>4</sub>   | 20                               | 35                             | 18 <sup>7</sup> / <sub>8</sub>  | 20 <sup>1</sup> / <sub>2</sub>  | 35 <sup>11</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub> | 20 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                    | 36                                     | 9  | AHF(t)-09-(*)-(+)45-36 | 30 <sup>9</sup> / <sub>16</sub> | 12 <sup>11</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 33 <sup>1</sup> / <sub>2</sub>  | 16 <sup>13</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>8</sub>   | 34 <sup>3</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>4</sub>   | 20                               | 35                             | 18 <sup>7</sup> / <sub>8</sub>  | 20 <sup>1</sup> / <sub>2</sub>  | 35 <sup>11</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub> | 20 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                    | 36                                     | 12 | AHF(t)-12-(*)-(+)45-36 | 30 <sup>9</sup> / <sub>16</sub> | 12 <sup>11</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 33 <sup>1</sup> / <sub>2</sub>  | 16 <sup>13</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>8</sub>   | 34 <sup>3</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>4</sub>   | 20                               | 35                             | 18 <sup>7</sup> / <sub>8</sub>  | 20 <sup>1</sup> / <sub>2</sub>  | 35 <sup>11</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub> | 20 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                    | 36                                     | 18 | AHF(t)-18-(*)-(+)45-36 | 30 <sup>9</sup> / <sub>16</sub> | 12 <sup>11</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 33 <sup>1</sup> / <sub>2</sub>  | 16 <sup>13</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>8</sub>   | 34 <sup>3</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>4</sub>   | 20                               | 35                             | 18 <sup>7</sup> / <sub>8</sub>  | 20 <sup>1</sup> / <sub>2</sub>  | 35 <sup>11</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub> | 20 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                    | 36                                     | 24 | AHF(t)-24-(*)-(+)45-36 | 30 <sup>9</sup> / <sub>16</sub> | 12 <sup>11</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 33 <sup>1</sup> / <sub>2</sub>  | 16 <sup>13</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>8</sub>   | 34 <sup>3</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>4</sub>   | 20                               | 35                             | 18 <sup>7</sup> / <sub>8</sub>  | 20 <sup>1</sup> / <sub>2</sub>  | 35 <sup>11</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub> | 20 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                    | 36                                     | 30 | AHF(t)-30-(*)-(+)45-36 | 30 <sup>9</sup> / <sub>16</sub> | 12 <sup>11</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 33 <sup>1</sup> / <sub>2</sub>  | 16 <sup>13</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>8</sub>   | 34 <sup>3</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>4</sub>   | 20                               | 35                             | 18 <sup>7</sup> / <sub>8</sub>  | 20 <sup>1</sup> / <sub>2</sub>  | 35 <sup>11</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub> | 20 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                    | 36                                     | 36 | AHF(t)-36-(*)-(+)45-36 | 30 <sup>9</sup> / <sub>16</sub> | 12 <sup>11</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 33 <sup>1</sup> / <sub>2</sub>  | 16 <sup>13</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>8</sub>   | 34 <sup>3</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>4</sub>   | 20                               | 35                             | 18 <sup>7</sup> / <sub>8</sub>  | 20 <sup>1</sup> / <sub>2</sub>  | 35 <sup>11</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub> | 20 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                    | 36                                     | 42 | AHF(t)-42-(*)-(+)45-36 | 30 <sup>9</sup> / <sub>16</sub> | 12 <sup>11</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> | 33 <sup>1</sup> / <sub>2</sub>  | 16 <sup>13</sup> / <sub>16</sub> | 19 <sup>5</sup> / <sub>8</sub>   | 34 <sup>3</sup> / <sub>16</sub>  | 17 <sup>3</sup> / <sub>4</sub>   | 20                               | 35                             | 18 <sup>7</sup> / <sub>8</sub>  | 20 <sup>1</sup> / <sub>2</sub>  | 35 <sup>11</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub> | 20 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                    | 48                                     | 6  | AHF(t)-06-(*)-(+)45-48 | 39 <sup>1</sup> / <sub>16</sub> | 16 <sup>3</sup> / <sub>16</sub>  | 22 <sup>7</sup> / <sub>8</sub>   | 42                              | 20 <sup>3</sup> / <sub>8</sub>   | 24 <sup>5</sup> / <sub>8</sub>   | 42 <sup>3</sup> / <sub>8</sub>   | 21 <sup>1</sup> / <sub>4</sub>   | 25                               | 43 <sup>1</sup> / <sub>2</sub> | 22 <sup>7</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub>  | 23 <sup>3</sup> / <sub>8</sub> | 25 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                    | 48                                     | 9  | AHF(t)-09-(*)-(+)45-48 | 39 <sup>1</sup> / <sub>16</sub> | 16 <sup>3</sup> / <sub>16</sub>  | 22 <sup>7</sup> / <sub>8</sub>   | 42                              | 20 <sup>3</sup> / <sub>8</sub>   | 24 <sup>5</sup> / <sub>8</sub>   | 42 <sup>3</sup> / <sub>8</sub>   | 21 <sup>1</sup> / <sub>4</sub>   | 25                               | 43 <sup>1</sup> / <sub>2</sub> | 22 <sup>7</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub>  | 23 <sup>3</sup> / <sub>8</sub> | 25 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                    | 48                                     | 12 | AHF(t)-12-(*)-(+)45-48 | 39 <sup>1</sup> / <sub>16</sub> | 16 <sup>3</sup> / <sub>16</sub>  | 22 <sup>7</sup> / <sub>8</sub>   | 42                              | 20 <sup>3</sup> / <sub>8</sub>   | 24 <sup>5</sup> / <sub>8</sub>   | 42 <sup>3</sup> / <sub>8</sub>   | 21 <sup>1</sup> / <sub>4</sub>   | 25                               | 43 <sup>1</sup> / <sub>2</sub> | 22 <sup>7</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub>  | 23 <sup>3</sup> / <sub>8</sub> | 25 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                    | 48                                     | 18 | AHF(t)-18-(*)-(+)45-48 | 39 <sup>1</sup> / <sub>16</sub> | 16 <sup>3</sup> / <sub>16</sub>  | 22 <sup>7</sup> / <sub>8</sub>   | 42                              | 20 <sup>3</sup> / <sub>8</sub>   | 24 <sup>5</sup> / <sub>8</sub>   | 42 <sup>3</sup> / <sub>8</sub>   | 21 <sup>1</sup> / <sub>4</sub>   | 25                               | 43 <sup>1</sup> / <sub>2</sub> | 22 <sup>7</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub>  | 23 <sup>3</sup> / <sub>8</sub> | 25 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                    | 48                                     | 24 | AHF(t)-24-(*)-(+)45-48 | 39 <sup>1</sup> / <sub>16</sub> | 16 <sup>3</sup> / <sub>16</sub>  | 22 <sup>7</sup> / <sub>8</sub>   | 42                              | 20 <sup>3</sup> / <sub>8</sub>   | 24 <sup>5</sup> / <sub>8</sub>   | 42 <sup>3</sup> / <sub>8</sub>   | 21 <sup>1</sup> / <sub>4</sub>   | 25                               | 43 <sup>1</sup> / <sub>2</sub> | 22 <sup>7</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub>  | 23 <sup>3</sup> / <sub>8</sub> | 25 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                    | 48                                     | 30 | AHF(t)-30-(*)-(+)45-48 | 39 <sup>1</sup> / <sub>16</sub> | 16 <sup>3</sup> / <sub>16</sub>  | 22 <sup>7</sup> / <sub>8</sub>   | 42                              | 20 <sup>3</sup> / <sub>8</sub>   | 24 <sup>5</sup> / <sub>8</sub>   | 42 <sup>3</sup> / <sub>8</sub>   | 21 <sup>1</sup> / <sub>4</sub>   | 25                               | 43 <sup>1</sup> / <sub>2</sub> | 22 <sup>7</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub>  | 23 <sup>3</sup> / <sub>8</sub> | 25 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                    | 48                                     | 36 | AHF(t)-36-(*)-(+)45-48 | 39 <sup>1</sup> / <sub>16</sub> | 16 <sup>3</sup> / <sub>16</sub>  | 22 <sup>7</sup> / <sub>8</sub>   | 42                              | 20 <sup>3</sup> / <sub>8</sub>   | 24 <sup>5</sup> / <sub>8</sub>   | 42 <sup>3</sup> / <sub>8</sub>   | 21 <sup>1</sup> / <sub>4</sub>   | 25                               | 43 <sup>1</sup> / <sub>2</sub> | 22 <sup>7</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub>  | 23 <sup>3</sup> / <sub>8</sub> | 25 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                    | 48                                     | 42 | AHF(t)-42-(*)-(+)45-48 | 39 <sup>1</sup> / <sub>16</sub> | 16 <sup>3</sup> / <sub>16</sub>  | 22 <sup>7</sup> / <sub>8</sub>   | 42                              | 20 <sup>3</sup> / <sub>8</sub>   | 24 <sup>5</sup> / <sub>8</sub>   | 42 <sup>3</sup> / <sub>8</sub>   | 21 <sup>1</sup> / <sub>4</sub>   | 25                               | 43 <sup>1</sup> / <sub>2</sub> | 22 <sup>7</sup> / <sub>16</sub> | 25 <sup>1</sup> / <sub>16</sub> | 44 <sup>3</sup> / <sub>16</sub>  | 23 <sup>3</sup> / <sub>8</sub> | 25 <sup>7</sup> / <sub>8</sub>   |

(t) Insert side rail height. (\*) Insert bottom style (+) Insert "VO" for vertical outside or "VI" for vertical inside to complete cat. no. Includes 1 pair of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system





## Aluminum fittings

### 30° U-style vertical bend fittings

#### Selection guide

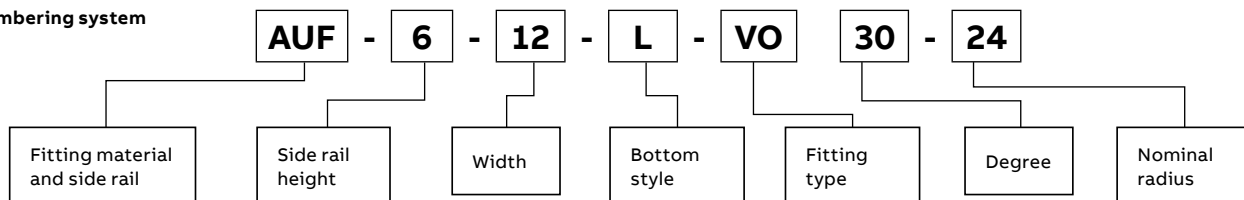
- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 30°
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

#### 30° Vertical bend – U-style

|              | Nominal<br>Radius Width<br>(in.) (in.) |    | Cat. no.               | Dimensions (in.)  |    |                                 |       |                                 |     |                                  |     |     |                   |                                 |                                 |       |     |     |
|--------------|----------------------------------------|----|------------------------|-------------------|----|---------------------------------|-------|---------------------------------|-----|----------------------------------|-----|-----|-------------------|---------------------------------|---------------------------------|-------|-----|-----|
|              |                                        |    |                        | (+ ) VO side rail |    |                                 |       |                                 |     |                                  |     |     | (+ ) VI side rail |                                 |                                 |       |     |     |
|              |                                        |    |                        | 4 in. – 7 in.     |    |                                 | 4 in. |                                 |     | 5 in.                            |     |     | 6 in.             |                                 |                                 | 7 in. |     |     |
|              |                                        |    |                        | X                 | Y  | Z                               | X     | Y                               | Z   | X                                | Y   | Z   | X                 | Y                               | Z                               | X     | Y   | Z   |
| Outside bend | 12                                     | 6  | AUF(t)-06-(*)-(+)30-12 | 9¼                | 2½ | 4 <sup>15</sup> / <sub>16</sub> | 11¾   | 6 <sup>11</sup> / <sub>16</sub> | 6½  | 11 <sup>13</sup> / <sub>16</sub> | 7¾  | 6½  | 12¾               | 8 <sup>11</sup> / <sub>16</sub> | 6½                              | 12¾   | 9¾  | 6¾  |
|              | 12                                     | 9  | AUF(t)-09-(*)-(+)30-12 | 9¼                | 2½ | 4 <sup>15</sup> / <sub>16</sub> | 11¾   | 6 <sup>11</sup> / <sub>16</sub> | 6½  | 11 <sup>13</sup> / <sub>16</sub> | 7¾  | 6½  | 12¾               | 8 <sup>11</sup> / <sub>16</sub> | 6½                              | 12¾   | 9¾  | 6¾  |
|              | 12                                     | 12 | AUF(t)-12-(*)-(+)30-12 | 9¼                | 2½ | 4 <sup>15</sup> / <sub>16</sub> | 11¾   | 6 <sup>11</sup> / <sub>16</sub> | 6½  | 11 <sup>13</sup> / <sub>16</sub> | 7¾  | 6½  | 12¾               | 8 <sup>11</sup> / <sub>16</sub> | 6½                              | 12¾   | 9¾  | 6¾  |
|              | 12                                     | 18 | AUF(t)-18-(*)-(+)30-12 | 9¼                | 2½ | 4 <sup>15</sup> / <sub>16</sub> | 11¾   | 6 <sup>11</sup> / <sub>16</sub> | 6½  | 11 <sup>13</sup> / <sub>16</sub> | 7¾  | 6½  | 12¾               | 8 <sup>11</sup> / <sub>16</sub> | 6½                              | 12¾   | 9¾  | 6¾  |
|              | 12                                     | 24 | AUF(t)-24-(*)-(+)30-12 | 9¼                | 2½ | 4 <sup>15</sup> / <sub>16</sub> | 11¾   | 6 <sup>11</sup> / <sub>16</sub> | 6½  | 11 <sup>13</sup> / <sub>16</sub> | 7¾  | 6½  | 12¾               | 8 <sup>11</sup> / <sub>16</sub> | 6½                              | 12¾   | 9¾  | 6¾  |
|              | 12                                     | 30 | AUF(t)-30-(*)-(+)30-12 | 9¼                | 2½ | 4 <sup>15</sup> / <sub>16</sub> | 11¾   | 6 <sup>11</sup> / <sub>16</sub> | 6½  | 11 <sup>13</sup> / <sub>16</sub> | 7¾  | 6½  | 12¾               | 8 <sup>11</sup> / <sub>16</sub> | 6½                              | 12¾   | 9¾  | 6¾  |
|              | 12                                     | 36 | AUF(t)-36-(*)-(+)30-12 | 9¼                | 2½ | 4 <sup>15</sup> / <sub>16</sub> | 11¾   | 6 <sup>11</sup> / <sub>16</sub> | 6½  | 11 <sup>13</sup> / <sub>16</sub> | 7¾  | 6½  | 12¾               | 8 <sup>11</sup> / <sub>16</sub> | 6½                              | 12¾   | 9¾  | 6¾  |
|              | 12                                     | 42 | AUF(t)-42-(*)-(+)30-12 | 9¼                | 2½ | 4 <sup>15</sup> / <sub>16</sub> | 11¾   | 6 <sup>11</sup> / <sub>16</sub> | 6½  | 11 <sup>13</sup> / <sub>16</sub> | 7¾  | 6½  | 12¾               | 8 <sup>11</sup> / <sub>16</sub> | 6½                              | 12¾   | 9¾  | 6¾  |
|              | 24                                     | 6  | AUF(t)-06-(*)-(+)30-24 | 15¼               | 4½ | 8¾                              | 17¾   | 8¾                              | 9½  | 17 <sup>13</sup> / <sub>16</sub> | 9¾  | 9½  | 18¾               | 10¾                             | 9 <sup>13</sup> / <sub>16</sub> | 18¾   | 11½ | 10¾ |
|              | 24                                     | 9  | AUF(t)-09-(*)-(+)30-24 | 15¼               | 4½ | 8¾                              | 17¾   | 8¾                              | 9½  | 17 <sup>13</sup> / <sub>16</sub> | 9¾  | 9½  | 18¾               | 10¾                             | 9 <sup>13</sup> / <sub>16</sub> | 18¾   | 11½ | 10¾ |
|              | 24                                     | 12 | AUF(t)-12-(*)-(+)30-24 | 15¼               | 4½ | 8¾                              | 17¾   | 8¾                              | 9½  | 17 <sup>13</sup> / <sub>16</sub> | 9¾  | 9½  | 18¾               | 10¾                             | 9 <sup>13</sup> / <sub>16</sub> | 18¾   | 11½ | 10¾ |
|              | 24                                     | 18 | AUF(t)-18-(*)-(+)30-24 | 15¼               | 4½ | 8¾                              | 17¾   | 8¾                              | 9½  | 17 <sup>13</sup> / <sub>16</sub> | 9¾  | 9½  | 18¾               | 10¾                             | 9 <sup>13</sup> / <sub>16</sub> | 18¾   | 11½ | 10¾ |
| Inside bend  | 24                                     | 24 | AUF(t)-24-(*)-(+)30-24 | 15¼               | 4½ | 8¾                              | 17¾   | 8¾                              | 9½  | 17 <sup>13</sup> / <sub>16</sub> | 9¾  | 9½  | 18¾               | 10¾                             | 9 <sup>13</sup> / <sub>16</sub> | 18¾   | 11½ | 10¾ |
|              | 24                                     | 30 | AUF(t)-30-(*)-(+)30-24 | 15¼               | 4½ | 8¾                              | 17¾   | 8¾                              | 9½  | 17 <sup>13</sup> / <sub>16</sub> | 9¾  | 9½  | 18¾               | 10¾                             | 9 <sup>13</sup> / <sub>16</sub> | 18¾   | 11½ | 10¾ |
|              | 24                                     | 36 | AUF(t)-36-(*)-(+)30-24 | 15¼               | 4½ | 8¾                              | 17¾   | 8¾                              | 9½  | 17 <sup>13</sup> / <sub>16</sub> | 9¾  | 9½  | 18¾               | 10¾                             | 9 <sup>13</sup> / <sub>16</sub> | 18¾   | 11½ | 10¾ |
|              | 24                                     | 42 | AUF(t)-42-(*)-(+)30-24 | 15¼               | 4½ | 8¾                              | 17¾   | 8¾                              | 9½  | 17 <sup>13</sup> / <sub>16</sub> | 9¾  | 9½  | 18¾               | 10¾                             | 9 <sup>13</sup> / <sub>16</sub> | 18¾   | 11½ | 10¾ |
|              | 36                                     | 6  | AUF(t)-06-(*)-(+)30-36 | 21¼               | 5½ | 11¾                             | 23¾   | 9¾                              | 12½ | 23 <sup>13</sup> / <sub>16</sub> | 10¾ | 12¾ | 24¾               | 11¾                             | 13½                             | 24¾   | 12½ | 13¾ |
|              | 36                                     | 9  | AUF(t)-09-(*)-(+)30-36 | 21¼               | 5½ | 11¾                             | 23¾   | 9¾                              | 12½ | 23 <sup>13</sup> / <sub>16</sub> | 10¾ | 12¾ | 24¾               | 11¾                             | 13½                             | 24¾   | 12½ | 13¾ |
|              | 36                                     | 12 | AUF(t)-12-(*)-(+)30-36 | 21¼               | 5½ | 11¾                             | 23¾   | 9¾                              | 12½ | 23 <sup>13</sup> / <sub>16</sub> | 10¾ | 12¾ | 24¾               | 11¾                             | 13½                             | 24¾   | 12½ | 13¾ |
|              | 36                                     | 18 | AUF(t)-18-(*)-(+)30-36 | 21¼               | 5½ | 11¾                             | 23¾   | 9¾                              | 12½ | 23 <sup>13</sup> / <sub>16</sub> | 10¾ | 12¾ | 24¾               | 11¾                             | 13½                             | 24¾   | 12½ | 13¾ |
|              | 36                                     | 24 | AUF(t)-24-(*)-(+)30-36 | 21¼               | 5½ | 11¾                             | 23¾   | 9¾                              | 12½ | 23 <sup>13</sup> / <sub>16</sub> | 10¾ | 12¾ | 24¾               | 11¾                             | 13½                             | 24¾   | 12½ | 13¾ |
|              | 36                                     | 30 | AUF(t)-30-(*)-(+)30-36 | 21¼               | 5½ | 11¾                             | 23¾   | 9¾                              | 12½ | 23 <sup>13</sup> / <sub>16</sub> | 10¾ | 12¾ | 24¾               | 11¾                             | 13½                             | 24¾   | 12½ | 13¾ |
|              | 36                                     | 36 | AUF(t)-36-(*)-(+)30-36 | 21¼               | 5½ | 11¾                             | 23¾   | 9¾                              | 12½ | 23 <sup>13</sup> / <sub>16</sub> | 10¾ | 12¾ | 24¾               | 11¾                             | 13½                             | 24¾   | 12½ | 13¾ |
|              | 36                                     | 42 | AUF(t)-42-(*)-(+)30-36 | 21¼               | 5½ | 11¾                             | 23¾   | 9¾                              | 12½ | 23 <sup>13</sup> / <sub>16</sub> | 10¾ | 12¾ | 24¾               | 11¾                             | 13½                             | 24¾   | 12½ | 13¾ |
|              | 48                                     | 6  | AUF(t)-06-(*)-(+)30-48 | 21¼               | 7½ | 14½                             | 29¾   | 11½                             | 15¾ | 29 <sup>13</sup> / <sub>16</sub> | 12¾ | 16  | 30¾               | 13½                             | 16¾                             | 30¾   | 14½ | 16¾ |
|              | 48                                     | 9  | AUF(t)-09-(*)-(+)30-48 | 21¼               | 7½ | 14½                             | 29¾   | 11½                             | 15¾ | 29 <sup>13</sup> / <sub>16</sub> | 12¾ | 16  | 30¾               | 13½                             | 16¾                             | 30¾   | 14½ | 16¾ |
|              | 48                                     | 12 | AUF(t)-12-(*)-(+)30-48 | 21¼               | 7½ | 14½                             | 29¾   | 11½                             | 15¾ | 29 <sup>13</sup> / <sub>16</sub> | 12¾ | 16  | 30¾               | 13½                             | 16¾                             | 30¾   | 14½ | 16¾ |
|              | 48                                     | 18 | AUF(t)-18-(*)-(+)30-48 | 21¼               | 7½ | 14½                             | 29¾   | 11½                             | 15¾ | 29 <sup>13</sup> / <sub>16</sub> | 12¾ | 16  | 30¾               | 13½                             | 16¾                             | 30¾   | 14½ | 16¾ |
|              | 48                                     | 24 | AUF(t)-24-(*)-(+)30-48 | 21¼               | 7½ | 14½                             | 29¾   | 11½                             | 15¾ | 29 <sup>13</sup> / <sub>16</sub> | 12¾ | 16  | 30¾               | 13½                             | 16¾                             | 30¾   | 14½ | 16¾ |
|              | 48                                     | 30 | AUF(t)-30-(*)-(+)30-48 | 21¼               | 7½ | 14½                             | 29¾   | 11½                             | 15¾ | 29 <sup>13</sup> / <sub>16</sub> | 12¾ | 16  | 30¾               | 13½                             | 16¾                             | 30¾   | 14½ | 16¾ |
|              | 48                                     | 36 | AUF(t)-36-(*)-(+)30-48 | 21¼               | 7½ | 14½                             | 29¾   | 11½                             | 15¾ | 29 <sup>13</sup> / <sub>16</sub> | 12¾ | 16  | 30¾               | 13½                             | 16¾                             | 30¾   | 14½ | 16¾ |
|              | 48                                     | 42 | AUF(t)-42-(*)-(+)30-48 | 21¼               | 7½ | 14½                             | 29¾   | 11½                             | 15¾ | 29 <sup>13</sup> / <sub>16</sub> | 12¾ | 16  | 30¾               | 13½                             | 16¾                             | 30¾   | 14½ | 16¾ |

(t) Insert side rail height. (\*) Insert bottom style (+) Insert "VO" for vertical outside or "VI" for vertical inside to complete cat. no. Includes 1 pair of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



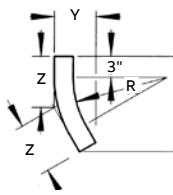
## Aluminum fittings

### 30° H-style vertical bend fittings

#### Selection guide

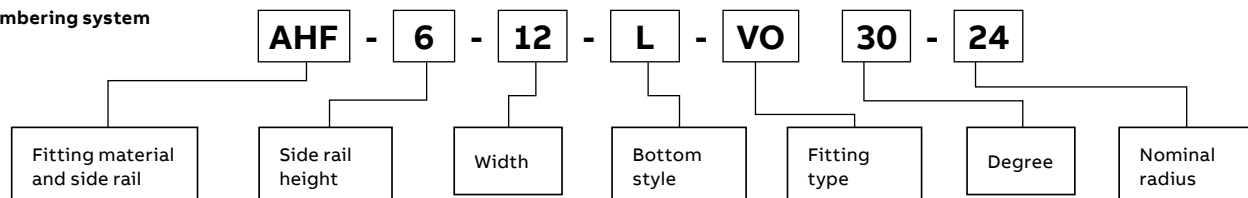
- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 30°
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

#### 30° Vertical bend – H-style

|                                                                                                            |    |    |                         | Dimensions (in.)                |                                 |                                 |                                  |                                 |                                 |                                 |                                 |                                  |                                  |                                  |                                 |                                  |                                  |                                  |
|------------------------------------------------------------------------------------------------------------|----|----|-------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|
|                                                                                                            |    |    |                         | (+ ) VO side rail               |                                 |                                 |                                  |                                 |                                 |                                 | (+ ) VI side rail               |                                  |                                  |                                  |                                 |                                  |                                  |                                  |
|                                                                                                            |    |    |                         | 4 in. – 7 in.                   |                                 |                                 | 4 in.                            |                                 |                                 | 5 in.                           |                                 |                                  | 6 in.                            |                                  |                                 | 7 in.                            |                                  |                                  |
| Nominal                                                                                                    |    |    |                         |                                 |                                 |                                 |                                  |                                 |                                 |                                 |                                 |                                  |                                  |                                  |                                 |                                  |                                  |                                  |
| Radius Width                                                                                               |    |    |                         |                                 |                                 |                                 |                                  |                                 |                                 |                                 |                                 |                                  |                                  |                                  |                                 |                                  |                                  |                                  |
| (in.) (in.) Cat. no.                                                                                       |    |    |                         | X                               | Y                               | Z                               | X                                | Y                               | Z                               | X                               | Y                               | Z                                | X                                | Y                                | Z                               | X                                | Y                                | Z                                |
| <div>Outside bend</div>  | 12 | 6  | AHF(+)-06-(*)-(+ )30-12 | 11 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>   | 6 <sup>3</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 7 <sup>5</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 8 <sup>3</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>   | 14 <sup>11</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>16</sub>   | 7 <sup>7</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 10 <sup>9</sup> / <sub>16</sub>  | 8 <sup>3</sup> / <sub>16</sub>   |
|                                                                                                            | 12 | 9  | AHF(+)-09-(*)-(+ )30-12 | 11 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>   | 6 <sup>3</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 7 <sup>5</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 8 <sup>3</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>   | 14 <sup>11</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>16</sub>   | 7 <sup>7</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 10 <sup>9</sup> / <sub>16</sub>  | 8 <sup>3</sup> / <sub>16</sub>   |
|                                                                                                            | 12 | 12 | AHF(+)-12-(*)-(+ )30-12 | 11 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>   | 6 <sup>3</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 7 <sup>5</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 8 <sup>3</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>   | 14 <sup>11</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>16</sub>   | 7 <sup>7</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 10 <sup>9</sup> / <sub>16</sub>  | 8 <sup>3</sup> / <sub>16</sub>   |
|                                                                                                            | 12 | 18 | AHF(+)-18-(*)-(+ )30-12 | 11 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>   | 6 <sup>3</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 7 <sup>5</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 8 <sup>3</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>   | 14 <sup>11</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>16</sub>   | 7 <sup>7</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 10 <sup>9</sup> / <sub>16</sub>  | 8 <sup>3</sup> / <sub>16</sub>   |
|                                                                                                            | 12 | 24 | AHF(+)-24-(*)-(+ )30-12 | 11 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>   | 6 <sup>3</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 7 <sup>5</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 8 <sup>3</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>   | 14 <sup>11</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>16</sub>   | 7 <sup>7</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 10 <sup>9</sup> / <sub>16</sub>  | 8 <sup>3</sup> / <sub>16</sub>   |
|                                                                                                            | 12 | 30 | AHF(+)-30-(*)-(+ )30-12 | 11 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>   | 6 <sup>3</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 7 <sup>5</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 8 <sup>3</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>   | 14 <sup>11</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>16</sub>   | 7 <sup>7</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 10 <sup>9</sup> / <sub>16</sub>  | 8 <sup>3</sup> / <sub>16</sub>   |
|                                                                                                            | 12 | 36 | AHF(+)-36-(*)-(+ )30-12 | 11 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>   | 6 <sup>3</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 7 <sup>5</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 8 <sup>3</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>   | 14 <sup>11</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>16</sub>   | 7 <sup>7</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 10 <sup>9</sup> / <sub>16</sub>  | 8 <sup>3</sup> / <sub>16</sub>   |
|                                                                                                            | 12 | 42 | AHF(+)-42-(*)-(+ )30-12 | 11 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>   | 6 <sup>3</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 7 <sup>5</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 8 <sup>3</sup> / <sub>16</sub>  | 7 <sup>5</sup> / <sub>16</sub>   | 14 <sup>11</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>16</sub>   | 7 <sup>7</sup> / <sub>16</sub>  | 13 <sup>11</sup> / <sub>16</sub> | 10 <sup>9</sup> / <sub>16</sub>  | 8 <sup>3</sup> / <sub>16</sub>   |
|                                                                                                            | 24 | 6  | AHF(+)-06-(*)-(+ )30-24 | 17 <sup>5</sup> / <sub>16</sub> | 4 <sup>11</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>16</sub>  | 19 <sup>11</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>16</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 20 <sup>1</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub> | 10 <sup>13</sup> / <sub>16</sub> | 20 <sup>11</sup> / <sub>16</sub> | 10 <sup>15</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 11 <sup>15</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub>  |
|                                                                                                            | 24 | 9  | AHF(+)-09-(*)-(+ )30-24 | 17 <sup>5</sup> / <sub>16</sub> | 4 <sup>11</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>16</sub>  | 19 <sup>11</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>16</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 20 <sup>1</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub> | 10 <sup>13</sup> / <sub>16</sub> | 20 <sup>11</sup> / <sub>16</sub> | 10 <sup>15</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 11 <sup>15</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub>  |
|                                                                                                            | 24 | 12 | AHF(+)-12-(*)-(+ )30-24 | 17 <sup>5</sup> / <sub>16</sub> | 4 <sup>11</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>16</sub>  | 19 <sup>11</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>16</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 20 <sup>1</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub> | 10 <sup>13</sup> / <sub>16</sub> | 20 <sup>11</sup> / <sub>16</sub> | 10 <sup>15</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 11 <sup>15</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub>  |
|                                                                                                            | 24 | 18 | AHF(+)-18-(*)-(+ )30-24 | 17 <sup>5</sup> / <sub>16</sub> | 4 <sup>11</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>16</sub>  | 19 <sup>11</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>16</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 20 <sup>1</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub> | 10 <sup>13</sup> / <sub>16</sub> | 20 <sup>11</sup> / <sub>16</sub> | 10 <sup>15</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 11 <sup>15</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub>  |
|                                                                                                            | 24 | 24 | AHF(+)-24-(*)-(+ )30-24 | 17 <sup>5</sup> / <sub>16</sub> | 4 <sup>11</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>16</sub>  | 19 <sup>11</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>16</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 20 <sup>1</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub> | 10 <sup>13</sup> / <sub>16</sub> | 20 <sup>11</sup> / <sub>16</sub> | 10 <sup>15</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 11 <sup>15</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub>  |
|                                                                                                            | 24 | 30 | AHF(+)-30-(*)-(+ )30-24 | 17 <sup>5</sup> / <sub>16</sub> | 4 <sup>11</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>16</sub>  | 19 <sup>11</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>16</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 20 <sup>1</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub> | 10 <sup>13</sup> / <sub>16</sub> | 20 <sup>11</sup> / <sub>16</sub> | 10 <sup>15</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 11 <sup>15</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub>  |
|                                                                                                            | 24 | 36 | AHF(+)-36-(*)-(+ )30-24 | 17 <sup>5</sup> / <sub>16</sub> | 4 <sup>11</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>16</sub>  | 19 <sup>11</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>16</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 20 <sup>1</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub> | 10 <sup>13</sup> / <sub>16</sub> | 20 <sup>11</sup> / <sub>16</sub> | 10 <sup>15</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 11 <sup>15</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub>  |
|                                                                                                            | 24 | 42 | AHF(+)-42-(*)-(+ )30-24 | 17 <sup>5</sup> / <sub>16</sub> | 4 <sup>11</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>16</sub>  | 19 <sup>11</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>16</sub>  | 10 <sup>9</sup> / <sub>16</sub> | 20 <sup>1</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub> | 10 <sup>13</sup> / <sub>16</sub> | 20 <sup>11</sup> / <sub>16</sub> | 10 <sup>15</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub> | 19 <sup>11</sup> / <sub>16</sub> | 11 <sup>15</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub>  |
| <div>Inside bend</div>  | 36 | 6  | AHF(+)-06-(*)-(+ )30-36 | 23 <sup>3</sup> / <sub>16</sub> | 6 <sup>5</sup> / <sub>16</sub>  | 12 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 13 <sup>3</sup> / <sub>16</sub> | 26 <sup>1</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub> | 14 <sup>2</sup> / <sub>16</sub>  | 26 <sup>11</sup> / <sub>16</sub> | 12 <sup>9</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 13 <sup>9</sup> / <sub>16</sub>  | 14 <sup>9</sup> / <sub>16</sub>  |
|                                                                                                            | 36 | 9  | AHF(+)-09-(*)-(+ )30-36 | 23 <sup>3</sup> / <sub>16</sub> | 6 <sup>5</sup> / <sub>16</sub>  | 12 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 13 <sup>3</sup> / <sub>16</sub> | 26 <sup>1</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub> | 14 <sup>2</sup> / <sub>16</sub>  | 26 <sup>11</sup> / <sub>16</sub> | 12 <sup>9</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 13 <sup>9</sup> / <sub>16</sub>  | 14 <sup>9</sup> / <sub>16</sub>  |
|                                                                                                            | 36 | 12 | AHF(+)-12-(*)-(+ )30-36 | 23 <sup>3</sup> / <sub>16</sub> | 6 <sup>5</sup> / <sub>16</sub>  | 12 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 13 <sup>3</sup> / <sub>16</sub> | 26 <sup>1</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub> | 14 <sup>2</sup> / <sub>16</sub>  | 26 <sup>11</sup> / <sub>16</sub> | 12 <sup>9</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 13 <sup>9</sup> / <sub>16</sub>  | 14 <sup>9</sup> / <sub>16</sub>  |
|                                                                                                            | 36 | 18 | AHF(+)-18-(*)-(+ )30-36 | 23 <sup>3</sup> / <sub>16</sub> | 6 <sup>5</sup> / <sub>16</sub>  | 12 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 13 <sup>3</sup> / <sub>16</sub> | 26 <sup>1</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub> | 14 <sup>2</sup> / <sub>16</sub>  | 26 <sup>11</sup> / <sub>16</sub> | 12 <sup>9</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 13 <sup>9</sup> / <sub>16</sub>  | 14 <sup>9</sup> / <sub>16</sub>  |
|                                                                                                            | 36 | 24 | AHF(+)-24-(*)-(+ )30-36 | 23 <sup>3</sup> / <sub>16</sub> | 6 <sup>5</sup> / <sub>16</sub>  | 12 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 13 <sup>3</sup> / <sub>16</sub> | 26 <sup>1</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub> | 14 <sup>2</sup> / <sub>16</sub>  | 26 <sup>11</sup> / <sub>16</sub> | 12 <sup>9</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 13 <sup>9</sup> / <sub>16</sub>  | 14 <sup>9</sup> / <sub>16</sub>  |
|                                                                                                            | 36 | 30 | AHF(+)-30-(*)-(+ )30-36 | 23 <sup>3</sup> / <sub>16</sub> | 6 <sup>5</sup> / <sub>16</sub>  | 12 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 13 <sup>3</sup> / <sub>16</sub> | 26 <sup>1</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub> | 14 <sup>2</sup> / <sub>16</sub>  | 26 <sup>11</sup> / <sub>16</sub> | 12 <sup>9</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 13 <sup>9</sup> / <sub>16</sub>  | 14 <sup>9</sup> / <sub>16</sub>  |
|                                                                                                            | 36 | 36 | AHF(+)-36-(*)-(+ )30-36 | 23 <sup>3</sup> / <sub>16</sub> | 6 <sup>5</sup> / <sub>16</sub>  | 12 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 13 <sup>3</sup> / <sub>16</sub> | 26 <sup>1</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub> | 14 <sup>2</sup> / <sub>16</sub>  | 26 <sup>11</sup> / <sub>16</sub> | 12 <sup>9</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 13 <sup>9</sup> / <sub>16</sub>  | 14 <sup>9</sup> / <sub>16</sub>  |
|                                                                                                            | 36 | 42 | AHF(+)-42-(*)-(+ )30-36 | 23 <sup>3</sup> / <sub>16</sub> | 6 <sup>5</sup> / <sub>16</sub>  | 12 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 13 <sup>3</sup> / <sub>16</sub> | 26 <sup>1</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub> | 14 <sup>2</sup> / <sub>16</sub>  | 26 <sup>11</sup> / <sub>16</sub> | 12 <sup>9</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>16</sub> | 25 <sup>11</sup> / <sub>16</sub> | 13 <sup>9</sup> / <sub>16</sub>  | 14 <sup>9</sup> / <sub>16</sub>  |
|                                                                                                            | 48 | 6  | AHF(+)-06-(*)-(+ )30-48 | 29 <sup>5</sup> / <sub>16</sub> | 7 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 12 <sup>3</sup> / <sub>16</sub> | 17                              | 32 <sup>1</sup> / <sub>16</sub> | 13                              | 17 <sup>1</sup> / <sub>4</sub>   | 32 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>16</sub>  | 17 <sup>9</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub>  | 17 <sup>13</sup> / <sub>16</sub> |
|                                                                                                            | 48 | 9  | AHF(+)-09-(*)-(+ )30-48 | 29 <sup>5</sup> / <sub>16</sub> | 7 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 12 <sup>3</sup> / <sub>16</sub> | 17                              | 32 <sup>1</sup> / <sub>16</sub> | 13                              | 17 <sup>1</sup> / <sub>4</sub>   | 32 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>16</sub>  | 17 <sup>9</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub>  | 17 <sup>13</sup> / <sub>16</sub> |
|                                                                                                            | 48 | 12 | AHF(+)-12-(*)-(+ )30-48 | 29 <sup>5</sup> / <sub>16</sub> | 7 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 12 <sup>3</sup> / <sub>16</sub> | 17                              | 32 <sup>1</sup> / <sub>16</sub> | 13                              | 17 <sup>1</sup> / <sub>4</sub>   | 32 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>16</sub>  | 17 <sup>9</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub>  | 17 <sup>13</sup> / <sub>16</sub> |
|                                                                                                            | 48 | 18 | AHF(+)-18-(*)-(+ )30-48 | 29 <sup>5</sup> / <sub>16</sub> | 7 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 12 <sup>3</sup> / <sub>16</sub> | 17                              | 32 <sup>1</sup> / <sub>16</sub> | 13                              | 17 <sup>1</sup> / <sub>4</sub>   | 32 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>16</sub>  | 17 <sup>9</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub>  | 17 <sup>13</sup> / <sub>16</sub> |
|                                                                                                            | 48 | 24 | AHF(+)-24-(*)-(+ )30-48 | 29 <sup>5</sup> / <sub>16</sub> | 7 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 12 <sup>3</sup> / <sub>16</sub> | 17                              | 32 <sup>1</sup> / <sub>16</sub> | 13                              | 17 <sup>1</sup> / <sub>4</sub>   | 32 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>16</sub>  | 17 <sup>9</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub>  | 17 <sup>13</sup> / <sub>16</sub> |
|                                                                                                            | 48 | 30 | AHF(+)-30-(*)-(+ )30-48 | 29 <sup>5</sup> / <sub>16</sub> | 7 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 12 <sup>3</sup> / <sub>16</sub> | 17                              | 32 <sup>1</sup> / <sub>16</sub> | 13                              | 17 <sup>1</sup> / <sub>4</sub>   | 32 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>16</sub>  | 17 <sup>9</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub>  | 17 <sup>13</sup> / <sub>16</sub> |
|                                                                                                            | 48 | 36 | AHF(+)-36-(*)-(+ )30-48 | 29 <sup>5</sup> / <sub>16</sub> | 7 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 12 <sup>3</sup> / <sub>16</sub> | 17                              | 32 <sup>1</sup> / <sub>16</sub> | 13                              | 17 <sup>1</sup> / <sub>4</sub>   | 32 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>16</sub>  | 17 <sup>9</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub>  | 17 <sup>13</sup> / <sub>16</sub> |
|                                                                                                            | 48 | 42 | AHF(+)-42-(*)-(+ )30-48 | 29 <sup>5</sup> / <sub>16</sub> | 7 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 12 <sup>3</sup> / <sub>16</sub> | 17                              | 32 <sup>1</sup> / <sub>16</sub> | 13                              | 17 <sup>1</sup> / <sub>4</sub>   | 32 <sup>11</sup> / <sub>16</sub> | 14 <sup>3</sup> / <sub>16</sub>  | 17 <sup>9</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub>  | 17 <sup>13</sup> / <sub>16</sub> |

(t) Insert side rail height. (\*) Insert bottom style (+) Insert "VO" for vertical outside or "VI" for vertical inside to complete cat. no. Includes 1 pair of splice plates with hardware.  
T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



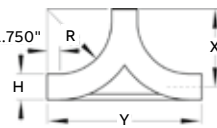
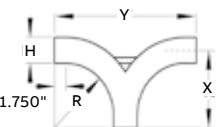
## Aluminum fittings

### U-style vertical tee up/down fittings

#### Selection guide

- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

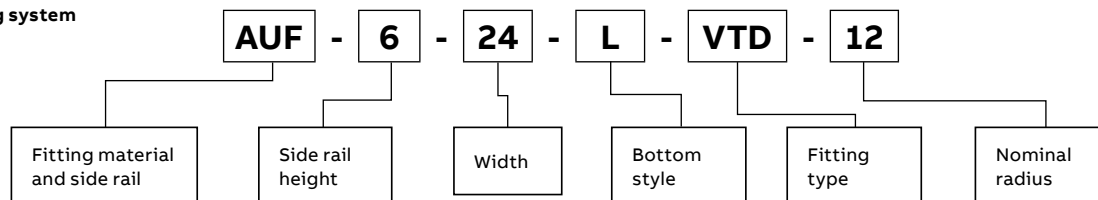
#### Vertical tee up/down – U-style

|                                                                                                                                                                            |             |                             |                               |                     | Dimensions (in.)                 |                                   |                                 |                                  |                                |                                 |                                |                                 |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------|-------------------------------|---------------------|----------------------------------|-----------------------------------|---------------------------------|----------------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|--|
|                                                                                                                                                                            |             |                             |                               |                     | Side rail height "H"             |                                   |                                 |                                  |                                |                                 |                                |                                 |  |
|                                                                                                                                                                            |             |                             |                               |                     | 4 in.                            |                                   | 5 in.                           |                                  | 6 in.                          |                                 | 7 in.                          |                                 |  |
| Nominal                                                                                                                                                                    |             | Vertical tee up<br>Cat. no. | Vertical tee down<br>Cat. no. | X                   |                                  | Y                                 |                                 | X                                |                                | Y                               |                                | X                               |  |
| Radius (in.)                                                                                                                                                               | Width (in.) |                             |                               | X                   | Y                                | X                                 | Y                               | X                                | Y                              | X                               | Y                              |                                 |  |
| <br>    | 12          | 6                           | AUF(†)-06-(*)-VTU12           | AUF(†)-06-(*)-VTD12 | 15 <sup>13</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub>  | 16 <sup>5</sup> / <sub>16</sub> | 32 <sup>9</sup> / <sub>16</sub>  | 16 <sup>7</sup> / <sub>8</sub> | 33 <sup>3</sup> / <sub>4</sub>  | 17 <sup>7</sup> / <sub>8</sub> | 34 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 12          | 9                           | AUF(†)-09-(*)-VTU12           | AUF(†)-09-(*)-VTD12 | 15 <sup>13</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub>  | 16 <sup>5</sup> / <sub>16</sub> | 32 <sup>9</sup> / <sub>16</sub>  | 16 <sup>7</sup> / <sub>8</sub> | 33 <sup>3</sup> / <sub>4</sub>  | 17 <sup>7</sup> / <sub>8</sub> | 34 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 12          | 12                          | AUF(†)-12-(*)-VTU12           | AUF(†)-12-(*)-VTD12 | 15 <sup>13</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub>  | 16 <sup>5</sup> / <sub>16</sub> | 32 <sup>9</sup> / <sub>16</sub>  | 16 <sup>7</sup> / <sub>8</sub> | 33 <sup>3</sup> / <sub>4</sub>  | 17 <sup>7</sup> / <sub>8</sub> | 34 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 12          | 18                          | AUF(†)-18-(*)-VTU12           | AUF(†)-18-(*)-VTD12 | 15 <sup>13</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub>  | 16 <sup>5</sup> / <sub>16</sub> | 32 <sup>9</sup> / <sub>16</sub>  | 16 <sup>7</sup> / <sub>8</sub> | 33 <sup>3</sup> / <sub>4</sub>  | 17 <sup>7</sup> / <sub>8</sub> | 34 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 12          | 24                          | AUF(†)-24-(*)-VTU12           | AUF(†)-24-(*)-VTD12 | 15 <sup>13</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub>  | 16 <sup>5</sup> / <sub>16</sub> | 32 <sup>9</sup> / <sub>16</sub>  | 16 <sup>7</sup> / <sub>8</sub> | 33 <sup>3</sup> / <sub>4</sub>  | 17 <sup>7</sup> / <sub>8</sub> | 34 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 12          | 30                          | AUF(†)-30-(*)-VTU12           | AUF(†)-30-(*)-VTD12 | 15 <sup>13</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub>  | 16 <sup>5</sup> / <sub>16</sub> | 32 <sup>9</sup> / <sub>16</sub>  | 16 <sup>7</sup> / <sub>8</sub> | 33 <sup>3</sup> / <sub>4</sub>  | 17 <sup>7</sup> / <sub>8</sub> | 34 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 12          | 36                          | AUF(†)-36-(*)-VTU12           | AUF(†)-36-(*)-VTD12 | 15 <sup>13</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub>  | 16 <sup>5</sup> / <sub>16</sub> | 32 <sup>9</sup> / <sub>16</sub>  | 16 <sup>7</sup> / <sub>8</sub> | 33 <sup>3</sup> / <sub>4</sub>  | 17 <sup>7</sup> / <sub>8</sub> | 34 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 12          | 42                          | AUF(†)-42-(*)-VTU12           | AUF(†)-42-(*)-VTD12 | 15 <sup>13</sup> / <sub>16</sub> | 31 <sup>11</sup> / <sub>16</sub>  | 16 <sup>5</sup> / <sub>16</sub> | 32 <sup>9</sup> / <sub>16</sub>  | 16 <sup>7</sup> / <sub>8</sub> | 33 <sup>3</sup> / <sub>4</sub>  | 17 <sup>7</sup> / <sub>8</sub> | 34 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 24          | 6                           | AUF(†)-06-(*)-VTU24           | AUF(†)-06-(*)-VTD24 | 27 <sup>13</sup> / <sub>16</sub> | 55 <sup>11</sup> / <sub>16</sub>  | 28 <sup>5</sup> / <sub>16</sub> | 56 <sup>9</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>8</sub> | 57 <sup>3</sup> / <sub>4</sub>  | 29 <sup>3</sup> / <sub>8</sub> | 58 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 24          | 9                           | AUF(†)-09-(*)-VTU24           | AUF(†)-09-(*)-VTD24 | 27 <sup>13</sup> / <sub>16</sub> | 55 <sup>11</sup> / <sub>16</sub>  | 28 <sup>5</sup> / <sub>16</sub> | 56 <sup>9</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>8</sub> | 57 <sup>3</sup> / <sub>4</sub>  | 29 <sup>3</sup> / <sub>8</sub> | 58 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 24          | 12                          | AUF(†)-12-(*)-VTU24           | AUF(†)-12-(*)-VTD24 | 27 <sup>13</sup> / <sub>16</sub> | 55 <sup>11</sup> / <sub>16</sub>  | 28 <sup>5</sup> / <sub>16</sub> | 56 <sup>9</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>8</sub> | 57 <sup>3</sup> / <sub>4</sub>  | 29 <sup>3</sup> / <sub>8</sub> | 58 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 24          | 18                          | AUF(†)-18-(*)-VTU24           | AUF(†)-18-(*)-VTD24 | 27 <sup>13</sup> / <sub>16</sub> | 55 <sup>11</sup> / <sub>16</sub>  | 28 <sup>5</sup> / <sub>16</sub> | 56 <sup>9</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>8</sub> | 57 <sup>3</sup> / <sub>4</sub>  | 29 <sup>3</sup> / <sub>8</sub> | 58 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 24          | 24                          | AUF(†)-24-(*)-VTU24           | AUF(†)-24-(*)-VTD24 | 27 <sup>13</sup> / <sub>16</sub> | 55 <sup>11</sup> / <sub>16</sub>  | 28 <sup>5</sup> / <sub>16</sub> | 56 <sup>9</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>8</sub> | 57 <sup>3</sup> / <sub>4</sub>  | 29 <sup>3</sup> / <sub>8</sub> | 58 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 24          | 30                          | AUF(†)-30-(*)-VTU24           | AUF(†)-30-(*)-VTD24 | 27 <sup>13</sup> / <sub>16</sub> | 55 <sup>11</sup> / <sub>16</sub>  | 28 <sup>5</sup> / <sub>16</sub> | 56 <sup>9</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>8</sub> | 57 <sup>3</sup> / <sub>4</sub>  | 29 <sup>3</sup> / <sub>8</sub> | 58 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 24          | 36                          | AUF(†)-36-(*)-VTU24           | AUF(†)-36-(*)-VTD24 | 27 <sup>13</sup> / <sub>16</sub> | 55 <sup>11</sup> / <sub>16</sub>  | 28 <sup>5</sup> / <sub>16</sub> | 56 <sup>9</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>8</sub> | 57 <sup>3</sup> / <sub>4</sub>  | 29 <sup>3</sup> / <sub>8</sub> | 58 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 24          | 42                          | AUF(†)-42-(*)-VTU24           | AUF(†)-42-(*)-VTD24 | 27 <sup>13</sup> / <sub>16</sub> | 55 <sup>11</sup> / <sub>16</sub>  | 28 <sup>5</sup> / <sub>16</sub> | 56 <sup>9</sup> / <sub>16</sub>  | 28 <sup>7</sup> / <sub>8</sub> | 57 <sup>3</sup> / <sub>4</sub>  | 29 <sup>3</sup> / <sub>8</sub> | 58 <sup>3</sup> / <sub>4</sub>  |  |
| <br> | 36          | 6                           | AUF(†)-06-(*)-VTU36           | AUF(†)-06-(*)-VTD36 | 39 <sup>13</sup> / <sub>16</sub> | 79 <sup>11</sup> / <sub>16</sub>  | 40 <sup>5</sup> / <sub>16</sub> | 80 <sup>9</sup> / <sub>16</sub>  | 40 <sup>7</sup> / <sub>8</sub> | 81 <sup>3</sup> / <sub>4</sub>  | 41 <sup>3</sup> / <sub>8</sub> | 82 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 36          | 9                           | AUF(†)-09-(*)-VTU36           | AUF(†)-09-(*)-VTD36 | 39 <sup>13</sup> / <sub>16</sub> | 79 <sup>11</sup> / <sub>16</sub>  | 40 <sup>5</sup> / <sub>16</sub> | 80 <sup>9</sup> / <sub>16</sub>  | 40 <sup>7</sup> / <sub>8</sub> | 81 <sup>3</sup> / <sub>4</sub>  | 41 <sup>3</sup> / <sub>8</sub> | 82 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 36          | 12                          | AUF(†)-12-(*)-VTU36           | AUF(†)-12-(*)-VTD36 | 39 <sup>13</sup> / <sub>16</sub> | 79 <sup>11</sup> / <sub>16</sub>  | 40 <sup>5</sup> / <sub>16</sub> | 80 <sup>9</sup> / <sub>16</sub>  | 40 <sup>7</sup> / <sub>8</sub> | 81 <sup>3</sup> / <sub>4</sub>  | 41 <sup>3</sup> / <sub>8</sub> | 82 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 36          | 18                          | AUF(†)-18-(*)-VTU36           | AUF(†)-18-(*)-VTD36 | 39 <sup>13</sup> / <sub>16</sub> | 79 <sup>11</sup> / <sub>16</sub>  | 40 <sup>5</sup> / <sub>16</sub> | 80 <sup>9</sup> / <sub>16</sub>  | 40 <sup>7</sup> / <sub>8</sub> | 81 <sup>3</sup> / <sub>4</sub>  | 41 <sup>3</sup> / <sub>8</sub> | 82 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 36          | 24                          | AUF(†)-24-(*)-VTU36           | AUF(†)-24-(*)-VTD36 | 39 <sup>13</sup> / <sub>16</sub> | 79 <sup>11</sup> / <sub>16</sub>  | 40 <sup>5</sup> / <sub>16</sub> | 80 <sup>9</sup> / <sub>16</sub>  | 40 <sup>7</sup> / <sub>8</sub> | 81 <sup>3</sup> / <sub>4</sub>  | 41 <sup>3</sup> / <sub>8</sub> | 82 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 36          | 30                          | AUF(†)-30-(*)-VTU36           | AUF(†)-30-(*)-VTD36 | 39 <sup>13</sup> / <sub>16</sub> | 79 <sup>11</sup> / <sub>16</sub>  | 40 <sup>5</sup> / <sub>16</sub> | 80 <sup>9</sup> / <sub>16</sub>  | 40 <sup>7</sup> / <sub>8</sub> | 81 <sup>3</sup> / <sub>4</sub>  | 41 <sup>3</sup> / <sub>8</sub> | 82 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 36          | 36                          | AUF(†)-36-(*)-VTU36           | AUF(†)-36-(*)-VTD36 | 39 <sup>13</sup> / <sub>16</sub> | 79 <sup>11</sup> / <sub>16</sub>  | 40 <sup>5</sup> / <sub>16</sub> | 80 <sup>9</sup> / <sub>16</sub>  | 40 <sup>7</sup> / <sub>8</sub> | 81 <sup>3</sup> / <sub>4</sub>  | 41 <sup>3</sup> / <sub>8</sub> | 82 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 36          | 42                          | AUF(†)-42-(*)-VTU36           | AUF(†)-42-(*)-VTD36 | 39 <sup>13</sup> / <sub>16</sub> | 79 <sup>11</sup> / <sub>16</sub>  | 40 <sup>5</sup> / <sub>16</sub> | 80 <sup>9</sup> / <sub>16</sub>  | 40 <sup>7</sup> / <sub>8</sub> | 81 <sup>3</sup> / <sub>4</sub>  | 41 <sup>3</sup> / <sub>8</sub> | 82 <sup>3</sup> / <sub>4</sub>  |  |
|                                                                                                                                                                            | 48          | 6                           | AUF(†)-06-(*)-VTU48           | AUF(†)-06-(*)-VTD48 | 51 <sup>13</sup> / <sub>16</sub> | 103 <sup>11</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub> | 104 <sup>9</sup> / <sub>16</sub> | 52 <sup>7</sup> / <sub>8</sub> | 105 <sup>3</sup> / <sub>4</sub> | 53 <sup>3</sup> / <sub>8</sub> | 106 <sup>3</sup> / <sub>4</sub> |  |
|                                                                                                                                                                            | 48          | 9                           | AUF(†)-09-(*)-VTU48           | AUF(†)-09-(*)-VTD48 | 51 <sup>13</sup> / <sub>16</sub> | 103 <sup>11</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub> | 104 <sup>9</sup> / <sub>16</sub> | 52 <sup>7</sup> / <sub>8</sub> | 105 <sup>3</sup> / <sub>4</sub> | 53 <sup>3</sup> / <sub>8</sub> | 106 <sup>3</sup> / <sub>4</sub> |  |
|                                                                                                                                                                            | 48          | 12                          | AUF(†)-12-(*)-VTU48           | AUF(†)-12-(*)-VTD48 | 51 <sup>13</sup> / <sub>16</sub> | 103 <sup>11</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub> | 104 <sup>9</sup> / <sub>16</sub> | 52 <sup>7</sup> / <sub>8</sub> | 105 <sup>3</sup> / <sub>4</sub> | 53 <sup>3</sup> / <sub>8</sub> | 106 <sup>3</sup> / <sub>4</sub> |  |
|                                                                                                                                                                            | 48          | 18                          | AUF(†)-18-(*)-VTU48           | AUF(†)-18-(*)-VTD48 | 51 <sup>13</sup> / <sub>16</sub> | 103 <sup>11</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub> | 104 <sup>9</sup> / <sub>16</sub> | 52 <sup>7</sup> / <sub>8</sub> | 105 <sup>3</sup> / <sub>4</sub> | 53 <sup>3</sup> / <sub>8</sub> | 106 <sup>3</sup> / <sub>4</sub> |  |
|                                                                                                                                                                            | 48          | 24                          | AUF(†)-24-(*)-VTU48           | AUF(†)-24-(*)-VTD48 | 51 <sup>13</sup> / <sub>16</sub> | 103 <sup>11</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub> | 104 <sup>9</sup> / <sub>16</sub> | 52 <sup>7</sup> / <sub>8</sub> | 105 <sup>3</sup> / <sub>4</sub> | 53 <sup>3</sup> / <sub>8</sub> | 106 <sup>3</sup> / <sub>4</sub> |  |
|                                                                                                                                                                            | 48          | 30                          | AUF(†)-30-(*)-VTU48           | AUF(†)-30-(*)-VTD48 | 51 <sup>13</sup> / <sub>16</sub> | 103 <sup>11</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub> | 104 <sup>9</sup> / <sub>16</sub> | 52 <sup>7</sup> / <sub>8</sub> | 105 <sup>3</sup> / <sub>4</sub> | 53 <sup>3</sup> / <sub>8</sub> | 106 <sup>3</sup> / <sub>4</sub> |  |
|                                                                                                                                                                            | 48          | 36                          | AUF(†)-36-(*)-VTU48           | AUF(†)-36-(*)-VTD48 | 51 <sup>13</sup> / <sub>16</sub> | 103 <sup>11</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub> | 104 <sup>9</sup> / <sub>16</sub> | 52 <sup>7</sup> / <sub>8</sub> | 105 <sup>3</sup> / <sub>4</sub> | 53 <sup>3</sup> / <sub>8</sub> | 106 <sup>3</sup> / <sub>4</sub> |  |
|                                                                                                                                                                            | 48          | 42                          | AUF(†)-42-(*)-VTU48           | AUF(†)-42-(*)-VTD48 | 51 <sup>13</sup> / <sub>16</sub> | 103 <sup>11</sup> / <sub>16</sub> | 52 <sup>5</sup> / <sub>16</sub> | 104 <sup>9</sup> / <sub>16</sub> | 52 <sup>7</sup> / <sub>8</sub> | 105 <sup>3</sup> / <sub>4</sub> | 53 <sup>3</sup> / <sub>8</sub> | 106 <sup>3</sup> / <sub>4</sub> |  |

(†) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 2 pairs of splice plates with hardware.

T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system





## Aluminum fittings

### H-style vertical tee up/down fittings

#### Selection guide

- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

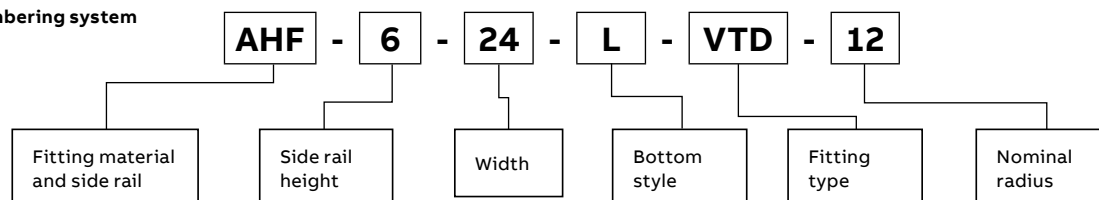
#### Vertical tee up/down – H-style

|      | Nominal<br>Radius Width |    | Vertical tee up<br>Cat. no. | Vertical tee down<br>Cat. no. | Side rail height "H" |                    |                   |                    |                  |                   |                  |                   |
|------|-------------------------|----|-----------------------------|-------------------------------|----------------------|--------------------|-------------------|--------------------|------------------|-------------------|------------------|-------------------|
|      |                         |    |                             |                               | 4 in.                |                    | 5 in.             |                    | 6 in.            |                   | 7 in.            |                   |
|      |                         |    |                             |                               | X                    | Y                  | X                 | Y                  | X                | Y                 | X                | Y                 |
| Up   | 12                      | 6  | AHF(t)-06-(*)-VTU12         | AHF(t)-06-(*)-VTD12           | 17 $\frac{1}{16}$    | 34 $\frac{3}{16}$  | 17 $\frac{1}{16}$ | 35 $\frac{1}{16}$  | 18 $\frac{3}{8}$ | 36 $\frac{1}{4}$  | 18 $\frac{3}{8}$ | 37 $\frac{1}{4}$  |
|      | 12                      | 9  | AHF(t)-09-(*)-VTU12         | AHF(t)-09-(*)-VTD12           | 17 $\frac{1}{16}$    | 34 $\frac{3}{16}$  | 17 $\frac{1}{16}$ | 35 $\frac{1}{16}$  | 18 $\frac{3}{8}$ | 36 $\frac{1}{4}$  | 18 $\frac{3}{8}$ | 37 $\frac{1}{4}$  |
|      | 12                      | 12 | AHF(t)-12-(*)-VTU12         | AHF(t)-12-(*)-VTD12           | 17 $\frac{1}{16}$    | 34 $\frac{3}{16}$  | 17 $\frac{1}{16}$ | 35 $\frac{1}{16}$  | 18 $\frac{3}{8}$ | 36 $\frac{1}{4}$  | 18 $\frac{3}{8}$ | 37 $\frac{1}{4}$  |
|      | 12                      | 18 | AHF(t)-18-(*)-VTU12         | AHF(t)-18-(*)-VTD12           | 17 $\frac{1}{16}$    | 34 $\frac{3}{16}$  | 17 $\frac{1}{16}$ | 35 $\frac{1}{16}$  | 18 $\frac{3}{8}$ | 36 $\frac{1}{4}$  | 18 $\frac{3}{8}$ | 37 $\frac{1}{4}$  |
|      | 12                      | 24 | AHF(t)-24-(*)-VTU12         | AHF(t)-24-(*)-VTD12           | 17 $\frac{1}{16}$    | 34 $\frac{3}{16}$  | 17 $\frac{1}{16}$ | 35 $\frac{1}{16}$  | 18 $\frac{3}{8}$ | 36 $\frac{1}{4}$  | 18 $\frac{3}{8}$ | 37 $\frac{1}{4}$  |
|      | 12                      | 30 | AHF(t)-30-(*)-VTU12         | AHF(t)-30-(*)-VTD12           | 17 $\frac{1}{16}$    | 34 $\frac{3}{16}$  | 17 $\frac{1}{16}$ | 35 $\frac{1}{16}$  | 18 $\frac{3}{8}$ | 36 $\frac{1}{4}$  | 18 $\frac{3}{8}$ | 37 $\frac{1}{4}$  |
|      | 12                      | 36 | AHF(t)-36-(*)-VTU12         | AHF(t)-36-(*)-VTD12           | 17 $\frac{1}{16}$    | 34 $\frac{3}{16}$  | 17 $\frac{1}{16}$ | 35 $\frac{1}{16}$  | 18 $\frac{3}{8}$ | 36 $\frac{1}{4}$  | 18 $\frac{3}{8}$ | 37 $\frac{1}{4}$  |
|      | 12                      | 42 | AHF(t)-42-(*)-VTU12         | AHF(t)-42-(*)-VTD12           | 17 $\frac{1}{16}$    | 34 $\frac{3}{16}$  | 17 $\frac{1}{16}$ | 35 $\frac{1}{16}$  | 18 $\frac{3}{8}$ | 36 $\frac{1}{4}$  | 18 $\frac{3}{8}$ | 37 $\frac{1}{4}$  |
|      | 24                      | 6  | AHF(t)-06-(*)-VTU24         | AHF(t)-06-(*)-VTD24           | 29 $\frac{1}{16}$    | 58 $\frac{3}{16}$  | 29 $\frac{1}{16}$ | 59 $\frac{1}{16}$  | 30 $\frac{3}{8}$ | 60 $\frac{1}{4}$  | 30 $\frac{3}{8}$ | 61 $\frac{1}{4}$  |
|      | 24                      | 9  | AHF(t)-09-(*)-VTU24         | AHF(t)-09-(*)-VTD24           | 29 $\frac{1}{16}$    | 58 $\frac{3}{16}$  | 29 $\frac{1}{16}$ | 59 $\frac{1}{16}$  | 30 $\frac{3}{8}$ | 60 $\frac{1}{4}$  | 30 $\frac{3}{8}$ | 61 $\frac{1}{4}$  |
|      | 24                      | 12 | AHF(t)-12-(*)-VTU24         | AHF(t)-12-(*)-VTD24           | 29 $\frac{1}{16}$    | 58 $\frac{3}{16}$  | 29 $\frac{1}{16}$ | 59 $\frac{1}{16}$  | 30 $\frac{3}{8}$ | 60 $\frac{1}{4}$  | 30 $\frac{3}{8}$ | 61 $\frac{1}{4}$  |
|      | 24                      | 18 | AHF(t)-18-(*)-VTU24         | AHF(t)-18-(*)-VTD24           | 29 $\frac{1}{16}$    | 58 $\frac{3}{16}$  | 29 $\frac{1}{16}$ | 59 $\frac{1}{16}$  | 30 $\frac{3}{8}$ | 60 $\frac{1}{4}$  | 30 $\frac{3}{8}$ | 61 $\frac{1}{4}$  |
|      | 24                      | 24 | AHF(t)-24-(*)-VTU24         | AHF(t)-24-(*)-VTD24           | 29 $\frac{1}{16}$    | 58 $\frac{3}{16}$  | 29 $\frac{1}{16}$ | 59 $\frac{1}{16}$  | 30 $\frac{3}{8}$ | 60 $\frac{1}{4}$  | 30 $\frac{3}{8}$ | 61 $\frac{1}{4}$  |
|      | 24                      | 30 | AHF(t)-30-(*)-VTU24         | AHF(t)-30-(*)-VTD24           | 29 $\frac{1}{16}$    | 58 $\frac{3}{16}$  | 29 $\frac{1}{16}$ | 59 $\frac{1}{16}$  | 30 $\frac{3}{8}$ | 60 $\frac{1}{4}$  | 30 $\frac{3}{8}$ | 61 $\frac{1}{4}$  |
|      | 24                      | 36 | AHF(t)-36-(*)-VTU24         | AHF(t)-36-(*)-VTD24           | 29 $\frac{1}{16}$    | 58 $\frac{3}{16}$  | 29 $\frac{1}{16}$ | 59 $\frac{1}{16}$  | 30 $\frac{3}{8}$ | 60 $\frac{1}{4}$  | 30 $\frac{3}{8}$ | 61 $\frac{1}{4}$  |
|      | 24                      | 42 | AHF(t)-42-(*)-VTU24         | AHF(t)-42-(*)-VTD24           | 29 $\frac{1}{16}$    | 58 $\frac{3}{16}$  | 29 $\frac{1}{16}$ | 59 $\frac{1}{16}$  | 30 $\frac{3}{8}$ | 60 $\frac{1}{4}$  | 30 $\frac{3}{8}$ | 61 $\frac{1}{4}$  |
| Down | 36                      | 6  | AHF(t)-06-(*)-VTU36         | AHF(t)-06-(*)-VTD36           | 41 $\frac{1}{16}$    | 82 $\frac{3}{16}$  | 41 $\frac{1}{16}$ | 83 $\frac{1}{16}$  | 42 $\frac{3}{8}$ | 84 $\frac{1}{4}$  | 42 $\frac{3}{8}$ | 85 $\frac{1}{4}$  |
|      | 36                      | 9  | AHF(t)-09-(*)-VTU36         | AHF(t)-09-(*)-VTD36           | 41 $\frac{1}{16}$    | 82 $\frac{3}{16}$  | 41 $\frac{1}{16}$ | 83 $\frac{1}{16}$  | 42 $\frac{3}{8}$ | 84 $\frac{1}{4}$  | 42 $\frac{3}{8}$ | 85 $\frac{1}{4}$  |
|      | 36                      | 12 | AHF(t)-12-(*)-VTU36         | AHF(t)-12-(*)-VTD36           | 41 $\frac{1}{16}$    | 82 $\frac{3}{16}$  | 41 $\frac{1}{16}$ | 83 $\frac{1}{16}$  | 42 $\frac{3}{8}$ | 84 $\frac{1}{4}$  | 42 $\frac{3}{8}$ | 85 $\frac{1}{4}$  |
|      | 36                      | 18 | AHF(t)-18-(*)-VTU36         | AHF(t)-18-(*)-VTD36           | 41 $\frac{1}{16}$    | 82 $\frac{3}{16}$  | 41 $\frac{1}{16}$ | 83 $\frac{1}{16}$  | 42 $\frac{3}{8}$ | 84 $\frac{1}{4}$  | 42 $\frac{3}{8}$ | 85 $\frac{1}{4}$  |
|      | 36                      | 24 | AHF(t)-24-(*)-VTU36         | AHF(t)-24-(*)-VTD36           | 41 $\frac{1}{16}$    | 82 $\frac{3}{16}$  | 41 $\frac{1}{16}$ | 83 $\frac{1}{16}$  | 42 $\frac{3}{8}$ | 84 $\frac{1}{4}$  | 42 $\frac{3}{8}$ | 85 $\frac{1}{4}$  |
|      | 36                      | 30 | AHF(t)-30-(*)-VTU36         | AHF(t)-30-(*)-VTD36           | 41 $\frac{1}{16}$    | 82 $\frac{3}{16}$  | 41 $\frac{1}{16}$ | 83 $\frac{1}{16}$  | 42 $\frac{3}{8}$ | 84 $\frac{1}{4}$  | 42 $\frac{3}{8}$ | 85 $\frac{1}{4}$  |
|      | 36                      | 36 | AHF(t)-36-(*)-VTU36         | AHF(t)-36-(*)-VTD36           | 41 $\frac{1}{16}$    | 82 $\frac{3}{16}$  | 41 $\frac{1}{16}$ | 83 $\frac{1}{16}$  | 42 $\frac{3}{8}$ | 84 $\frac{1}{4}$  | 42 $\frac{3}{8}$ | 85 $\frac{1}{4}$  |
|      | 36                      | 42 | AHF(t)-42-(*)-VTU36         | AHF(t)-42-(*)-VTD36           | 41 $\frac{1}{16}$    | 82 $\frac{3}{16}$  | 41 $\frac{1}{16}$ | 83 $\frac{1}{16}$  | 42 $\frac{3}{8}$ | 84 $\frac{1}{4}$  | 42 $\frac{3}{8}$ | 85 $\frac{1}{4}$  |
|      | 48                      | 6  | AHF(t)-06-(*)-VTU48         | AHF(t)-06-(*)-VTD48           | 53 $\frac{1}{16}$    | 106 $\frac{3}{16}$ | 53 $\frac{1}{16}$ | 107 $\frac{1}{16}$ | 54 $\frac{3}{8}$ | 108 $\frac{1}{4}$ | 54 $\frac{3}{8}$ | 109 $\frac{1}{4}$ |
|      | 48                      | 9  | AHF(t)-09-(*)-VTU48         | AHF(t)-09-(*)-VTD48           | 53 $\frac{1}{16}$    | 106 $\frac{3}{16}$ | 53 $\frac{1}{16}$ | 107 $\frac{1}{16}$ | 54 $\frac{3}{8}$ | 108 $\frac{1}{4}$ | 54 $\frac{3}{8}$ | 109 $\frac{1}{4}$ |
|      | 48                      | 12 | AHF(t)-12-(*)-VTU48         | AHF(t)-12-(*)-VTD48           | 53 $\frac{1}{16}$    | 106 $\frac{3}{16}$ | 53 $\frac{1}{16}$ | 107 $\frac{1}{16}$ | 54 $\frac{3}{8}$ | 108 $\frac{1}{4}$ | 54 $\frac{3}{8}$ | 109 $\frac{1}{4}$ |
|      | 48                      | 18 | AHF(t)-18-(*)-VTU48         | AHF(t)-18-(*)-VTD48           | 53 $\frac{1}{16}$    | 106 $\frac{3}{16}$ | 53 $\frac{1}{16}$ | 107 $\frac{1}{16}$ | 54 $\frac{3}{8}$ | 108 $\frac{1}{4}$ | 54 $\frac{3}{8}$ | 109 $\frac{1}{4}$ |
|      | 48                      | 24 | AHF(t)-24-(*)-VTU48         | AHF(t)-24-(*)-VTD48           | 53 $\frac{1}{16}$    | 106 $\frac{3}{16}$ | 53 $\frac{1}{16}$ | 107 $\frac{1}{16}$ | 54 $\frac{3}{8}$ | 108 $\frac{1}{4}$ | 54 $\frac{3}{8}$ | 109 $\frac{1}{4}$ |
|      | 48                      | 30 | AHF(t)-30-(*)-VTU48         | AHF(t)-30-(*)-VTD48           | 53 $\frac{1}{16}$    | 106 $\frac{3}{16}$ | 53 $\frac{1}{16}$ | 107 $\frac{1}{16}$ | 54 $\frac{3}{8}$ | 108 $\frac{1}{4}$ | 54 $\frac{3}{8}$ | 109 $\frac{1}{4}$ |
|      | 48                      | 36 | AHF(t)-36-(*)-VTU48         | AHF(t)-36-(*)-VTD48           | 53 $\frac{1}{16}$    | 106 $\frac{3}{16}$ | 53 $\frac{1}{16}$ | 107 $\frac{1}{16}$ | 54 $\frac{3}{8}$ | 108 $\frac{1}{4}$ | 54 $\frac{3}{8}$ | 109 $\frac{1}{4}$ |
|      | 48                      | 42 | AHF(t)-42-(*)-VTU48         | AHF(t)-42-(*)-VTD48           | 53 $\frac{1}{16}$    | 106 $\frac{3}{16}$ | 53 $\frac{1}{16}$ | 107 $\frac{1}{16}$ | 54 $\frac{3}{8}$ | 108 $\frac{1}{4}$ | 54 $\frac{3}{8}$ | 109 $\frac{1}{4}$ |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 2 pairs of splice plates with hardware.

T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



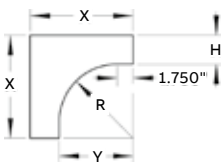
## Aluminum fittings

### U-style cable support fittings

#### Selection guide

- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

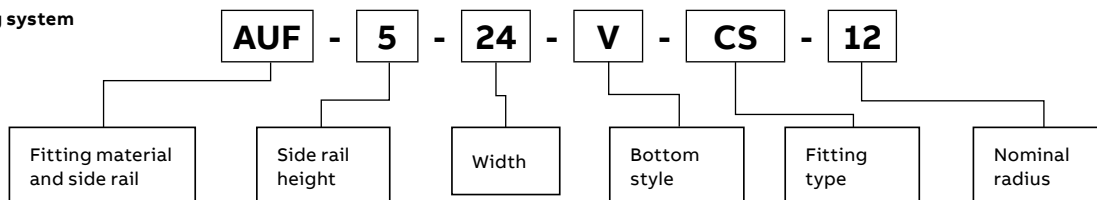
#### Cable support fitting – U-style

|                                                                                     |             |          | Dimensions (in.)     |                                  |                                |                                  |                                |    |                                |    |                                |
|-------------------------------------------------------------------------------------|-------------|----------|----------------------|----------------------------------|--------------------------------|----------------------------------|--------------------------------|----|--------------------------------|----|--------------------------------|
|                                                                                     |             |          | Side rail height “H” |                                  |                                |                                  |                                |    |                                |    |                                |
|                                                                                     |             |          | 4 in.                |                                  | 5 in.                          |                                  | 6 in.                          |    | 7 in.                          |    |                                |
| Nominal                                                                             |             |          |                      |                                  |                                |                                  |                                |    |                                |    |                                |
| Radius (in.)                                                                        | Width (in.) | Cat. no. | X                    | Y                                | X                              | Y                                | X                              | Y  | X                              | Y  |                                |
|    | 12          | 6        | AUF(†)-06-(*)-CS12   | 17 <sup>15</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 18 <sup>13</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 20 | 13 <sup>3</sup> / <sub>4</sub> | 21 | 13 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 12          | 9        | AUF(†)-09-(*)-CS12   | 17 <sup>15</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 18 <sup>13</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 20 | 13 <sup>3</sup> / <sub>4</sub> | 21 | 13 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 12          | 12       | AUF(†)-12-(*)-CS12   | 17 <sup>15</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 18 <sup>13</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 20 | 13 <sup>3</sup> / <sub>4</sub> | 21 | 13 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 12          | 18       | AUF(†)-18-(*)-CS12   | 17 <sup>15</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 18 <sup>13</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 20 | 13 <sup>3</sup> / <sub>4</sub> | 21 | 13 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 12          | 24       | AUF(†)-24-(*)-CS12   | 17 <sup>15</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 18 <sup>13</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 20 | 13 <sup>3</sup> / <sub>4</sub> | 21 | 13 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 12          | 30       | AUF(†)-30-(*)-CS12   | 17 <sup>15</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 18 <sup>13</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 20 | 13 <sup>3</sup> / <sub>4</sub> | 21 | 13 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 12          | 36       | AUF(†)-36-(*)-CS12   | 17 <sup>15</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 18 <sup>13</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 20 | 13 <sup>3</sup> / <sub>4</sub> | 21 | 13 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 12          | 42       | AUF(†)-42-(*)-CS12   | 17 <sup>15</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 18 <sup>13</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>4</sub> | 20 | 13 <sup>3</sup> / <sub>4</sub> | 21 | 13 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 24          | 6        | AUF(†)-06-(*)-CS24   | 29 <sup>15</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 30 <sup>13</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 32 | 25 <sup>3</sup> / <sub>4</sub> | 33 | 25 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 24          | 9        | AUF(†)-09-(*)-CS24   | 29 <sup>15</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 30 <sup>13</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 32 | 25 <sup>3</sup> / <sub>4</sub> | 33 | 25 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 24          | 12       | AUF(†)-12-(*)-CS24   | 29 <sup>15</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 30 <sup>13</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 32 | 25 <sup>3</sup> / <sub>4</sub> | 33 | 25 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 24          | 18       | AUF(†)-18-(*)-CS24   | 29 <sup>15</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 30 <sup>13</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 32 | 25 <sup>3</sup> / <sub>4</sub> | 33 | 25 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 24          | 24       | AUF(†)-24-(*)-CS24   | 29 <sup>15</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 30 <sup>13</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 32 | 25 <sup>3</sup> / <sub>4</sub> | 33 | 25 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 24          | 30       | AUF(†)-30-(*)-CS24   | 29 <sup>15</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 30 <sup>13</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 32 | 25 <sup>3</sup> / <sub>4</sub> | 33 | 25 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 24          | 36       | AUF(†)-36-(*)-CS24   | 29 <sup>15</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 30 <sup>13</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 32 | 25 <sup>3</sup> / <sub>4</sub> | 33 | 25 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 24          | 42       | AUF(†)-42-(*)-CS24   | 29 <sup>15</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 30 <sup>13</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>4</sub> | 32 | 25 <sup>3</sup> / <sub>4</sub> | 33 | 25 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 36          | 6        | AUF(†)-06-(*)-CS36   | 41 <sup>15</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 42 <sup>13</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 44 | 37 <sup>3</sup> / <sub>4</sub> | 45 | 37 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 36          | 9        | AUF(†)-09-(*)-CS36   | 41 <sup>15</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 42 <sup>13</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 44 | 37 <sup>3</sup> / <sub>4</sub> | 45 | 37 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 36          | 12       | AUF(†)-12-(*)-CS36   | 41 <sup>15</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 42 <sup>13</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 44 | 37 <sup>3</sup> / <sub>4</sub> | 45 | 37 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 36          | 18       | AUF(†)-18-(*)-CS36   | 41 <sup>15</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 42 <sup>13</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 44 | 37 <sup>3</sup> / <sub>4</sub> | 45 | 37 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 36          | 24       | AUF(†)-24-(*)-CS36   | 41 <sup>15</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 42 <sup>13</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 44 | 37 <sup>3</sup> / <sub>4</sub> | 45 | 37 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 36          | 30       | AUF(†)-30-(*)-CS36   | 41 <sup>15</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 42 <sup>13</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 44 | 37 <sup>3</sup> / <sub>4</sub> | 45 | 37 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 36          | 36       | AUF(†)-36-(*)-CS36   | 41 <sup>15</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 42 <sup>13</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 44 | 37 <sup>3</sup> / <sub>4</sub> | 45 | 37 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 36          | 42       | AUF(†)-42-(*)-CS36   | 41 <sup>15</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 42 <sup>13</sup> / <sub>16</sub> | 37 <sup>3</sup> / <sub>4</sub> | 44 | 37 <sup>3</sup> / <sub>4</sub> | 45 | 37 <sup>3</sup> / <sub>4</sub> |
|  | 48          | 6        | AUF(†)-06-(*)-CS48   | 53 <sup>15</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 54 <sup>13</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 56 | 49 <sup>3</sup> / <sub>4</sub> | 57 | 49 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 48          | 9        | AUF(†)-09-(*)-CS48   | 53 <sup>15</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 54 <sup>13</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 56 | 49 <sup>3</sup> / <sub>4</sub> | 57 | 49 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 48          | 12       | AUF(†)-12-(*)-CS48   | 53 <sup>15</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 54 <sup>13</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 56 | 49 <sup>3</sup> / <sub>4</sub> | 57 | 49 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 48          | 18       | AUF(†)-18-(*)-CS48   | 53 <sup>15</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 54 <sup>13</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 56 | 49 <sup>3</sup> / <sub>4</sub> | 57 | 49 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 48          | 24       | AUF(†)-24-(*)-CS48   | 53 <sup>15</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 54 <sup>13</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 56 | 49 <sup>3</sup> / <sub>4</sub> | 57 | 49 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 48          | 30       | AUF(†)-30-(*)-CS48   | 53 <sup>15</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 54 <sup>13</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 56 | 49 <sup>3</sup> / <sub>4</sub> | 57 | 49 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 48          | 36       | AUF(†)-36-(*)-CS48   | 53 <sup>15</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 54 <sup>13</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 56 | 49 <sup>3</sup> / <sub>4</sub> | 57 | 49 <sup>3</sup> / <sub>4</sub> |
|                                                                                     | 48          | 42       | AUF(†)-42-(*)-CS48   | 53 <sup>15</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 54 <sup>13</sup> / <sub>16</sub> | 49 <sup>3</sup> / <sub>4</sub> | 56 | 49 <sup>3</sup> / <sub>4</sub> | 57 | 49 <sup>3</sup> / <sub>4</sub> |

(†) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



## Aluminum fittings

### H-style cable support fittings

#### Selection guide

- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 4–7 in.

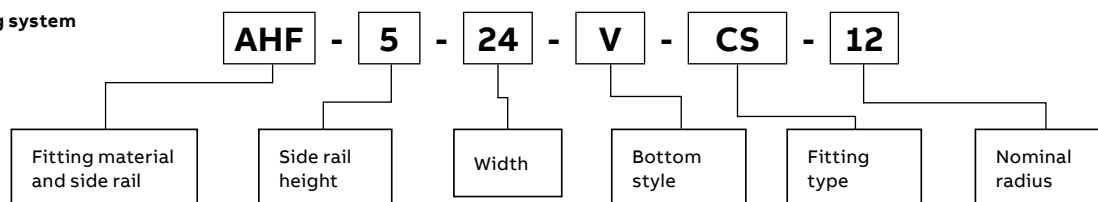
#### Cable support fitting – H-style

|              |             |                    | Dimensions (in.)                |    |                                 |    |                                |    |                                |    |
|--------------|-------------|--------------------|---------------------------------|----|---------------------------------|----|--------------------------------|----|--------------------------------|----|
|              |             |                    | Side rail height "H"            |    |                                 |    |                                |    |                                |    |
| Nominal      |             |                    | 4 in.                           |    | 5 in.                           |    | 6 in.                          |    | 7 in.                          |    |
| Radius (in.) | Width (in.) | Cat. no.           | X                               | Y  | X                               | Y  | X                              | Y  | X                              | Y  |
| 12           | 6           | AHF(t)-06-(*)-CS12 | 19 <sup>3</sup> / <sub>16</sub> | 15 | 20 <sup>3</sup> / <sub>16</sub> | 15 | 21 <sup>1</sup> / <sub>4</sub> | 15 | 22 <sup>3</sup> / <sub>4</sub> | 15 |
| 12           | 9           | AHF(t)-09-(*)-CS12 | 19 <sup>3</sup> / <sub>16</sub> | 15 | 20 <sup>3</sup> / <sub>16</sub> | 15 | 21 <sup>1</sup> / <sub>4</sub> | 15 | 22 <sup>3</sup> / <sub>4</sub> | 15 |
| 12           | 12          | AHF(t)-12-(*)-CS12 | 19 <sup>3</sup> / <sub>16</sub> | 15 | 20 <sup>3</sup> / <sub>16</sub> | 15 | 21 <sup>1</sup> / <sub>4</sub> | 15 | 22 <sup>3</sup> / <sub>4</sub> | 15 |
| 12           | 18          | AHF(t)-18-(*)-CS12 | 19 <sup>3</sup> / <sub>16</sub> | 15 | 20 <sup>3</sup> / <sub>16</sub> | 15 | 21 <sup>1</sup> / <sub>4</sub> | 15 | 22 <sup>3</sup> / <sub>4</sub> | 15 |
| 12           | 24          | AHF(t)-24-(*)-CS12 | 19 <sup>3</sup> / <sub>16</sub> | 15 | 20 <sup>3</sup> / <sub>16</sub> | 15 | 21 <sup>1</sup> / <sub>4</sub> | 15 | 22 <sup>3</sup> / <sub>4</sub> | 15 |
| 12           | 30          | AHF(t)-30-(*)-CS12 | 19 <sup>3</sup> / <sub>16</sub> | 15 | 20 <sup>3</sup> / <sub>16</sub> | 15 | 21 <sup>1</sup> / <sub>4</sub> | 15 | 22 <sup>3</sup> / <sub>4</sub> | 15 |
| 12           | 36          | AHF(t)-36-(*)-CS12 | 19 <sup>3</sup> / <sub>16</sub> | 15 | 20 <sup>3</sup> / <sub>16</sub> | 15 | 21 <sup>1</sup> / <sub>4</sub> | 15 | 22 <sup>3</sup> / <sub>4</sub> | 15 |
| 12           | 42          | AHF(t)-42-(*)-CS12 | 19 <sup>3</sup> / <sub>16</sub> | 15 | 20 <sup>3</sup> / <sub>16</sub> | 15 | 21 <sup>1</sup> / <sub>4</sub> | 15 | 22 <sup>3</sup> / <sub>4</sub> | 15 |
| 24           | 6           | AHF(t)-06-(*)-CS24 | 31 <sup>3</sup> / <sub>16</sub> | 27 | 32 <sup>3</sup> / <sub>16</sub> | 27 | 33 <sup>3</sup> / <sub>4</sub> | 27 | 34 <sup>3</sup> / <sub>4</sub> | 27 |
| 24           | 9           | AHF(t)-09-(*)-CS24 | 31 <sup>3</sup> / <sub>16</sub> | 27 | 32 <sup>3</sup> / <sub>16</sub> | 27 | 33 <sup>3</sup> / <sub>4</sub> | 27 | 34 <sup>3</sup> / <sub>4</sub> | 27 |
| 24           | 12          | AHF(t)-12-(*)-CS24 | 31 <sup>3</sup> / <sub>16</sub> | 27 | 32 <sup>3</sup> / <sub>16</sub> | 27 | 33 <sup>3</sup> / <sub>4</sub> | 27 | 34 <sup>3</sup> / <sub>4</sub> | 27 |
| 24           | 18          | AHF(t)-18-(*)-CS24 | 31 <sup>3</sup> / <sub>16</sub> | 27 | 32 <sup>3</sup> / <sub>16</sub> | 27 | 33 <sup>3</sup> / <sub>4</sub> | 27 | 34 <sup>3</sup> / <sub>4</sub> | 27 |
| 24           | 24          | AHF(t)-24-(*)-CS24 | 31 <sup>3</sup> / <sub>16</sub> | 27 | 32 <sup>3</sup> / <sub>16</sub> | 27 | 33 <sup>3</sup> / <sub>4</sub> | 27 | 34 <sup>3</sup> / <sub>4</sub> | 27 |
| 24           | 30          | AHF(t)-30-(*)-CS24 | 31 <sup>3</sup> / <sub>16</sub> | 27 | 32 <sup>3</sup> / <sub>16</sub> | 27 | 33 <sup>3</sup> / <sub>4</sub> | 27 | 34 <sup>3</sup> / <sub>4</sub> | 27 |
| 24           | 36          | AHF(t)-36-(*)-CS24 | 31 <sup>3</sup> / <sub>16</sub> | 27 | 32 <sup>3</sup> / <sub>16</sub> | 27 | 33 <sup>3</sup> / <sub>4</sub> | 27 | 34 <sup>3</sup> / <sub>4</sub> | 27 |
| 24           | 42          | AHF(t)-42-(*)-CS24 | 31 <sup>3</sup> / <sub>16</sub> | 27 | 32 <sup>3</sup> / <sub>16</sub> | 27 | 33 <sup>3</sup> / <sub>4</sub> | 27 | 34 <sup>3</sup> / <sub>4</sub> | 27 |
| 36           | 6           | AHF(t)-06-(*)-CS36 | 43 <sup>3</sup> / <sub>16</sub> | 39 | 44 <sup>3</sup> / <sub>16</sub> | 39 | 45 <sup>3</sup> / <sub>4</sub> | 39 | 46 <sup>3</sup> / <sub>4</sub> | 39 |
| 36           | 9           | AHF(t)-09-(*)-CS36 | 43 <sup>3</sup> / <sub>16</sub> | 39 | 44 <sup>3</sup> / <sub>16</sub> | 39 | 45 <sup>3</sup> / <sub>4</sub> | 39 | 46 <sup>3</sup> / <sub>4</sub> | 39 |
| 36           | 12          | AHF(t)-12-(*)-CS36 | 43 <sup>3</sup> / <sub>16</sub> | 39 | 44 <sup>3</sup> / <sub>16</sub> | 39 | 45 <sup>3</sup> / <sub>4</sub> | 39 | 46 <sup>3</sup> / <sub>4</sub> | 39 |
| 36           | 18          | AHF(t)-18-(*)-CS36 | 43 <sup>3</sup> / <sub>16</sub> | 39 | 44 <sup>3</sup> / <sub>16</sub> | 39 | 45 <sup>3</sup> / <sub>4</sub> | 39 | 46 <sup>3</sup> / <sub>4</sub> | 39 |
| 36           | 24          | AHF(t)-24-(*)-CS36 | 43 <sup>3</sup> / <sub>16</sub> | 39 | 44 <sup>3</sup> / <sub>16</sub> | 39 | 45 <sup>3</sup> / <sub>4</sub> | 39 | 46 <sup>3</sup> / <sub>4</sub> | 39 |
| 36           | 30          | AHF(t)-30-(*)-CS36 | 43 <sup>3</sup> / <sub>16</sub> | 39 | 44 <sup>3</sup> / <sub>16</sub> | 39 | 45 <sup>3</sup> / <sub>4</sub> | 39 | 46 <sup>3</sup> / <sub>4</sub> | 39 |
| 36           | 36          | AHF(t)-36-(*)-CS36 | 43 <sup>3</sup> / <sub>16</sub> | 39 | 44 <sup>3</sup> / <sub>16</sub> | 39 | 45 <sup>3</sup> / <sub>4</sub> | 39 | 46 <sup>3</sup> / <sub>4</sub> | 39 |
| 36           | 42          | AHF(t)-42-(*)-CS36 | 43 <sup>3</sup> / <sub>16</sub> | 39 | 44 <sup>3</sup> / <sub>16</sub> | 39 | 45 <sup>3</sup> / <sub>4</sub> | 39 | 46 <sup>3</sup> / <sub>4</sub> | 39 |
| 48           | 6           | AHF(t)-06-(*)-CS48 | 55 <sup>3</sup> / <sub>16</sub> | 51 | 56 <sup>3</sup> / <sub>16</sub> | 51 | 57 <sup>3</sup> / <sub>4</sub> | 51 | 58 <sup>3</sup> / <sub>4</sub> | 51 |
| 48           | 9           | AHF(t)-09-(*)-CS48 | 55 <sup>3</sup> / <sub>16</sub> | 51 | 56 <sup>3</sup> / <sub>16</sub> | 51 | 57 <sup>3</sup> / <sub>4</sub> | 51 | 58 <sup>3</sup> / <sub>4</sub> | 51 |
| 48           | 12          | AHF(t)-12-(*)-CS48 | 55 <sup>3</sup> / <sub>16</sub> | 51 | 56 <sup>3</sup> / <sub>16</sub> | 51 | 57 <sup>3</sup> / <sub>4</sub> | 51 | 58 <sup>3</sup> / <sub>4</sub> | 51 |
| 48           | 18          | AHF(t)-18-(*)-CS48 | 55 <sup>3</sup> / <sub>16</sub> | 51 | 56 <sup>3</sup> / <sub>16</sub> | 51 | 57 <sup>3</sup> / <sub>4</sub> | 51 | 58 <sup>3</sup> / <sub>4</sub> | 51 |
| 48           | 24          | AHF(t)-24-(*)-CS48 | 55 <sup>3</sup> / <sub>16</sub> | 51 | 56 <sup>3</sup> / <sub>16</sub> | 51 | 57 <sup>3</sup> / <sub>4</sub> | 51 | 58 <sup>3</sup> / <sub>4</sub> | 51 |
| 48           | 30          | AHF(t)-30-(*)-CS48 | 55 <sup>3</sup> / <sub>16</sub> | 51 | 56 <sup>3</sup> / <sub>16</sub> | 51 | 57 <sup>3</sup> / <sub>4</sub> | 51 | 58 <sup>3</sup> / <sub>4</sub> | 51 |
| 48           | 36          | AHF(t)-36-(*)-CS48 | 55 <sup>3</sup> / <sub>16</sub> | 51 | 56 <sup>3</sup> / <sub>16</sub> | 51 | 57 <sup>3</sup> / <sub>4</sub> | 51 | 58 <sup>3</sup> / <sub>4</sub> | 51 |
| 48           | 42          | AHF(t)-42-(*)-CS48 | 55 <sup>3</sup> / <sub>16</sub> | 51 | 56 <sup>3</sup> / <sub>16</sub> | 51 | 57 <sup>3</sup> / <sub>4</sub> | 51 | 58 <sup>3</sup> / <sub>4</sub> | 51 |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

T&B aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Part numbering system



# Aluminum fittings

## Helix<sup>®</sup> cable tray fitting

01 Right-turn assembly  
02 Left-turn assembly

The Helix cable tray fitting.  
Efficiency is in its DNA.

**Go from horizontal to vertical, maximum cable protection, minimum space.**

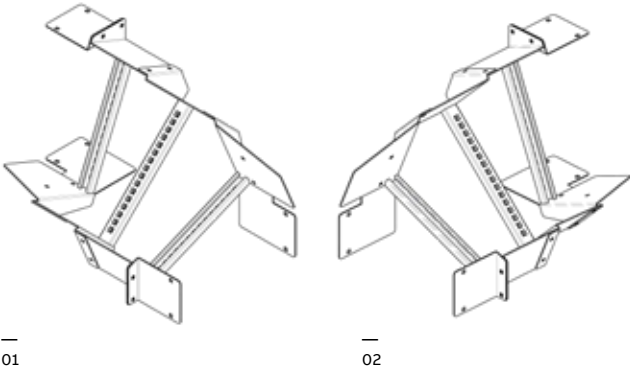
Making transitions from horizontal to vertical cable tray runs has never been easier or more efficient. The latest evolution in cable tray fittings, the Helix fitting assembly was developed specifically for use in confined areas. It allows installers to transition from horizontal to vertical surfaces in less time, using significantly less space.

- Enables installation close to walls and other surfaces, eliminating need for distance
- Provides enhanced cable protection in confined spaces
- Secures cables within fitting for clean, organized cable runs

**Helix cable tray fitting**

| Cat. no.   | Material | Side rail (in.) | Width (in.) | Direction  |
|------------|----------|-----------------|-------------|------------|
| AUF612LHVR | Aluminum | 6               | 12          | Right turn |
| AUF612LHVL | Aluminum | 6               | 12          | Left turn  |
| AUF624LHVR | Aluminum | 6               | 24          | Right turn |
| AUF624LHVL | Aluminum | 6               | 24          | Left turn  |

Supports should be positioned within 24" (610 mm) of each Helix fitting extremity.

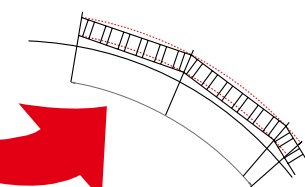
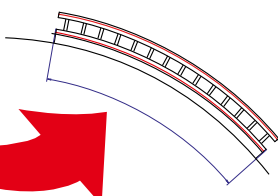
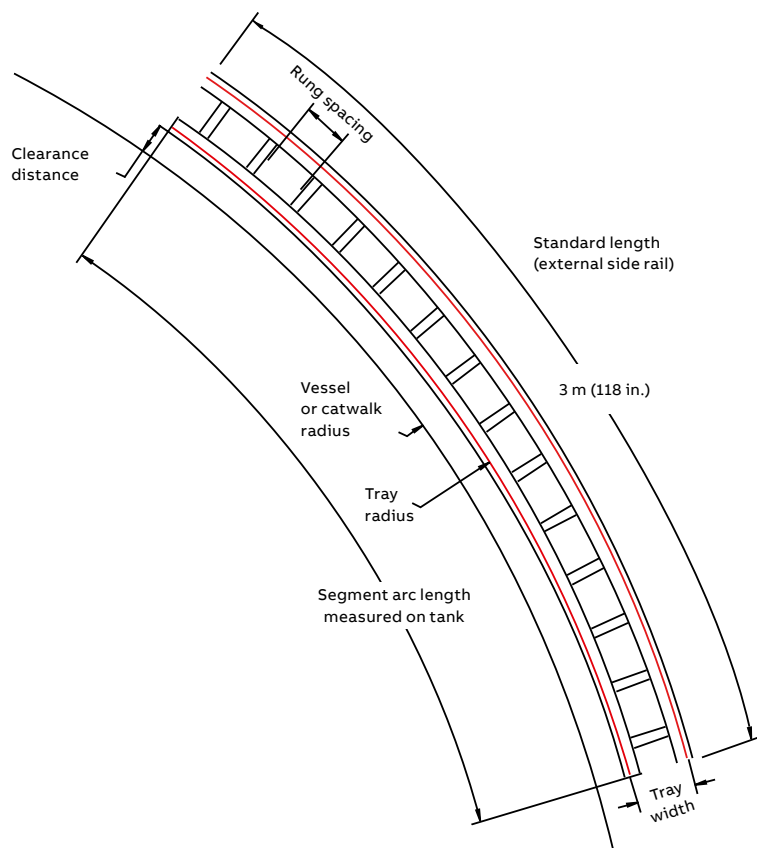




# Aluminum

## Large radius aluminum cable tray

### Large radius aluminum cable tray



Old method

This cable tray design offers a custom-built cable support system for each petrochemical project tank or tower. This cable tray system is usually installed around the outer perimeter of the catwalks and stairs that are mounted on the tank or vessel.

ABB takes pride in manufacturing a complete system to meet your most rigorous requirements. Our cable support systems reduce the costly and labor-intensive modifications required to assemble straight sections, splice plates and accessories to fit your tank or vessel.

T&B large radius aluminum cable tray systems mount flawlessly with no extra cutting, set-up or surplus material. With the option of pre-assembly of this cable tray system prior to erection of the tank or vessel, you can drastically reduce installing time.

ABB aluminum cable tray is composed of two distinct systems, H-style and U-style. These systems are interchangeable.

#### Features and benefits

- No mitered joints
- No bent splice plates
- Less costly
- Easier to install
- Faster to install
- Fewer skills required to install
- Cleaner lines
- Improved functionality and aesthetics

#### Data required for quotation

Height of the cable tray: in.  
 Width of the cable tray: in.  
 Rung spacing: in.  
 Load rating and support span: lb/ft. (kg/m)  
 Radius of tank or vessel: in.  
 Clearance distance: in.  
 Quantity required: (number of segments)  
 or total arc length: (measured on structure)

# Aluminum

## Tray covers

- 01 Solid cover, flanged
- 02 Solid cover, unflanged
- 03 Ventilated flanged covers
- 04 Peaked flanged cover

### Number selection

#### Tray covers

Tray covers are available for all classes of tray. They should be installed where falling objects may damage cables or where vertical tray run is accessible by pedestrian or vehicular traffic.

#### Solid covers

These covers provide maximum mechanical protection for cables with limited heat build-up. Solid covers are available with or without flange. Flanged covers have ½ in. flange.

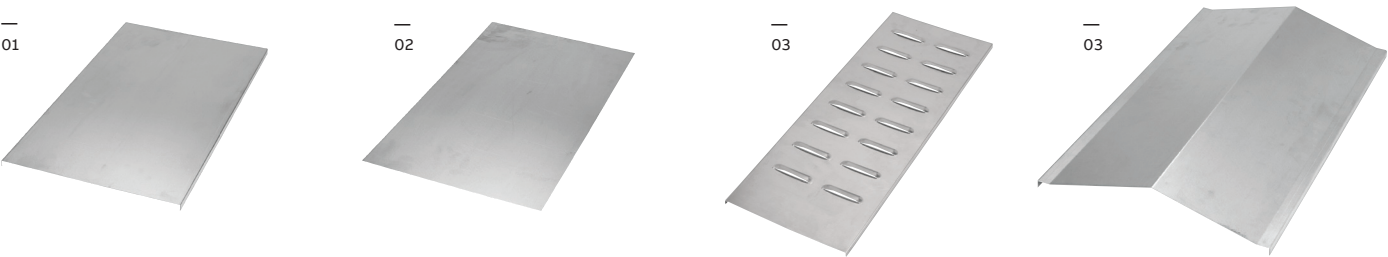
#### Ventilated flanged covers

This design offers excellent mechanical protection while allowing heat produced by cables to dissipate.

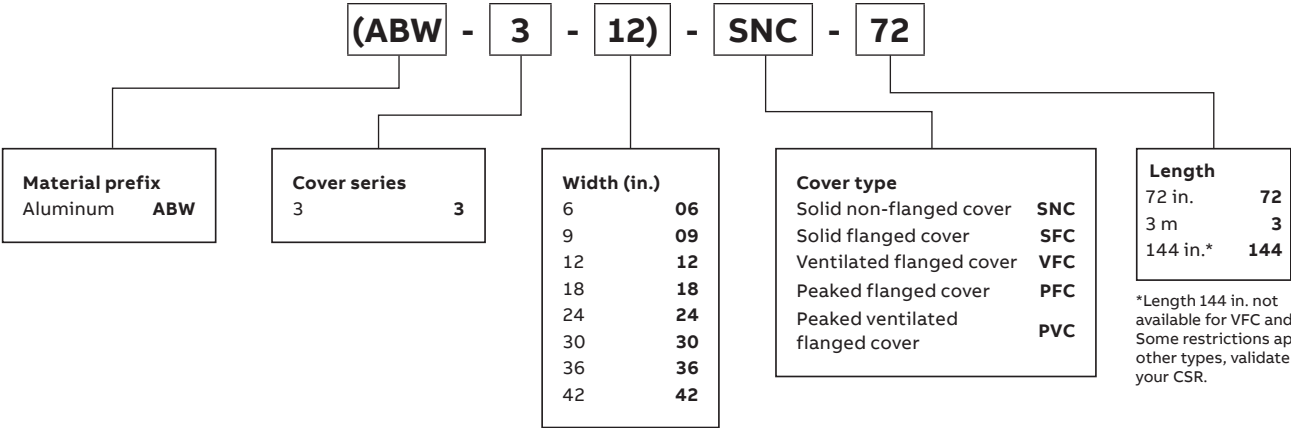
#### For extreme applications: Peaked flanged covers, peaked ventilated covers

Peaked covers offer mechanical protection and reduce pooling of liquids on the cover.

Cover mounting hardware must be ordered separately.



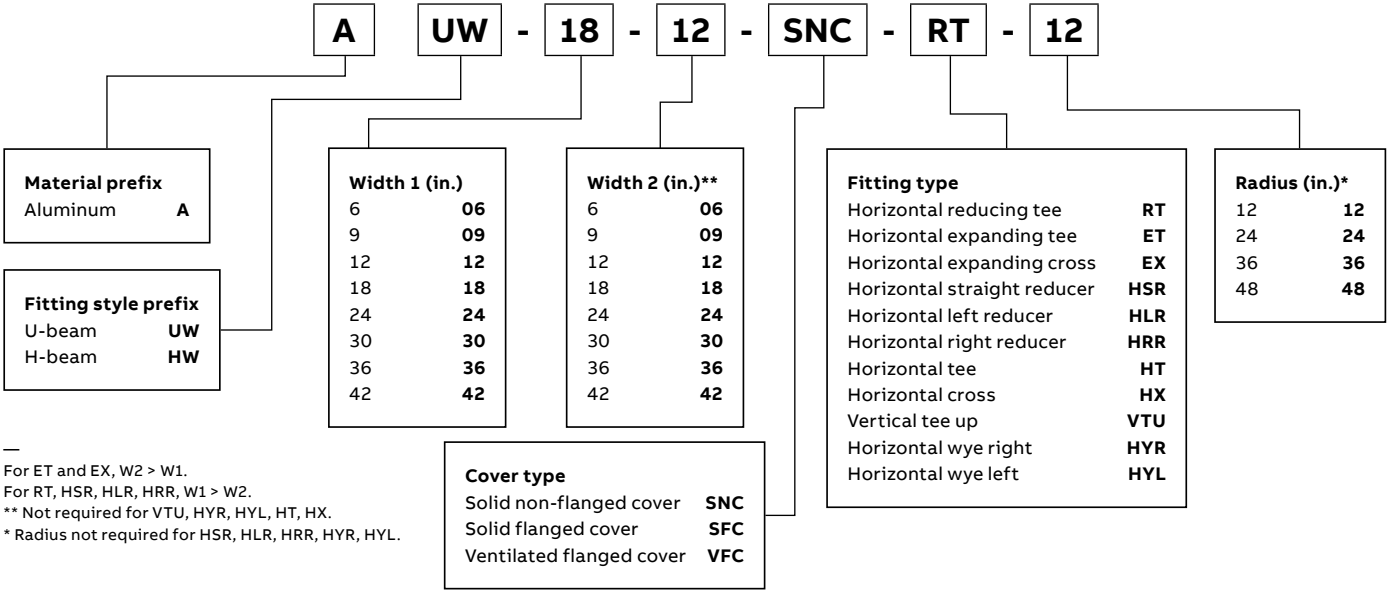
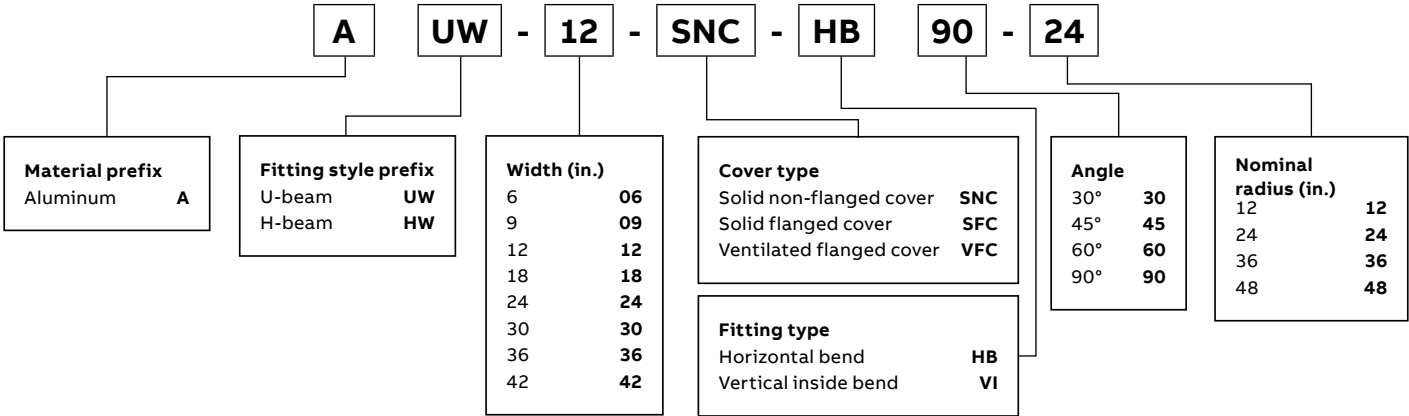
### Straight cover number selection



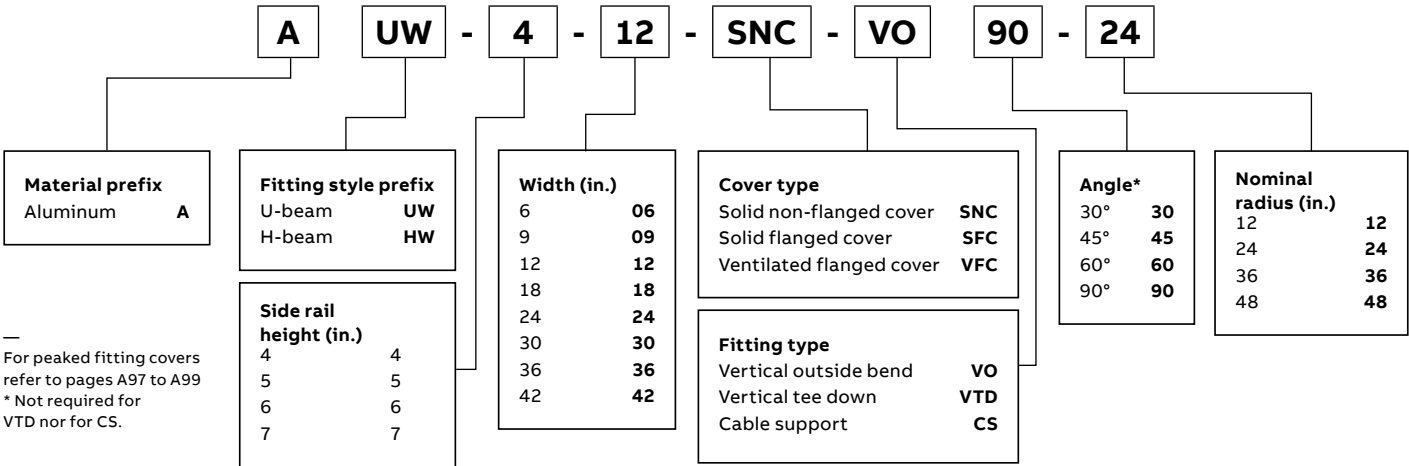


Aluminum  
Fittings covers

Fitting covers number selection



—  
For ET and EX, W2 > W1.  
For RT, HSR, HLR, HRR, W1 > W2.  
\*\* Not required for VTU, HYR, HYL, HT, HX.  
\* Radius not required for HSR, HLR, HRR, HYR, HYL.



—  
For peaked fitting covers refer to pages A97 to A99  
\* Not required for VTD nor for CS.



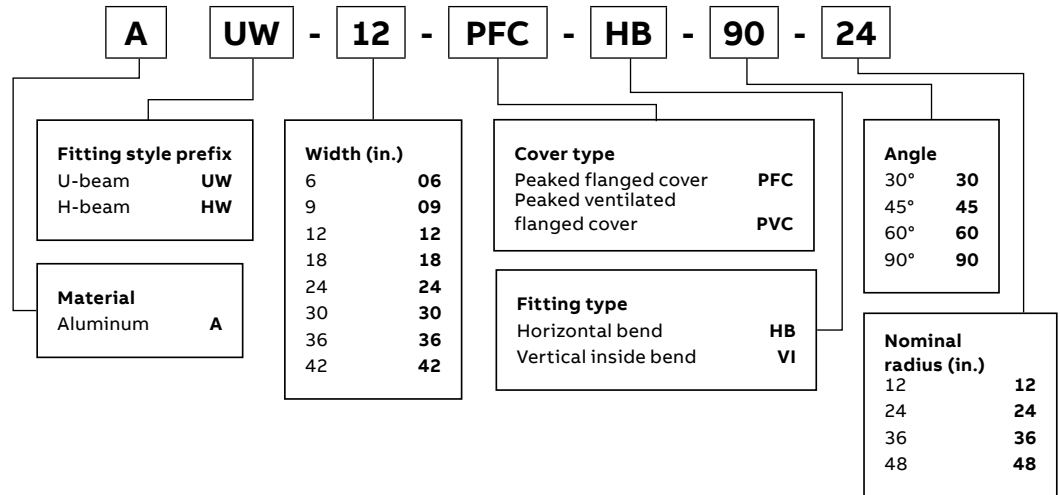
## Aluminum

### Peaked covers

#### Horizontal bend/vertical inside bend (peaked covers) number selection



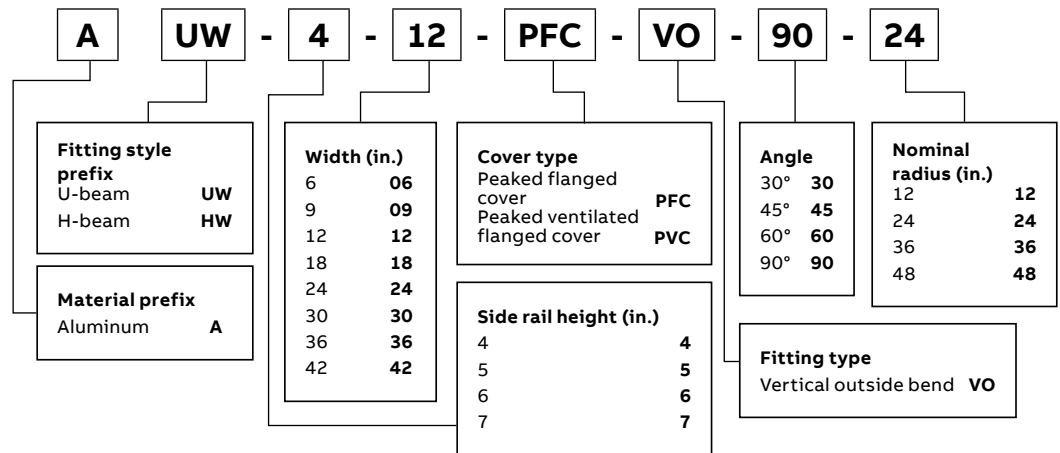
—  
Pregalvanized  
not available



#### Vertical outside bend (peaked covers) number selection



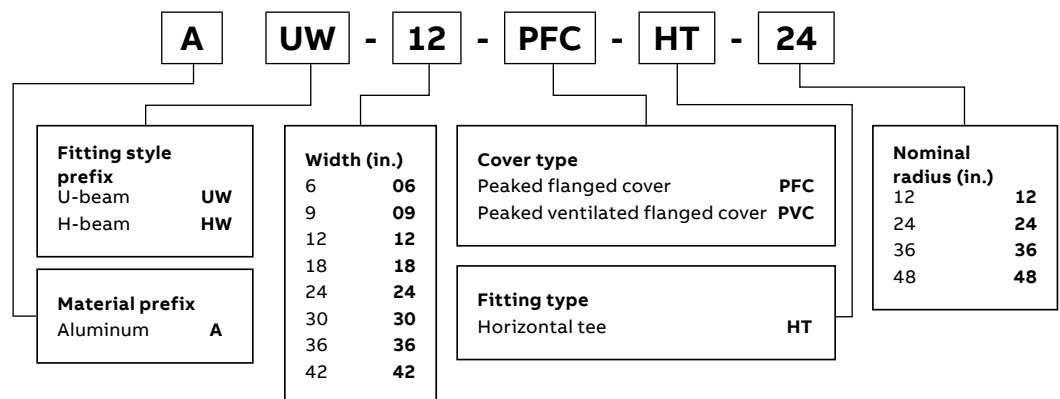
—  
Pregalvanized  
not available



#### Horizontal tee (peaked covers) number selection



—  
Pregalvanized  
not available



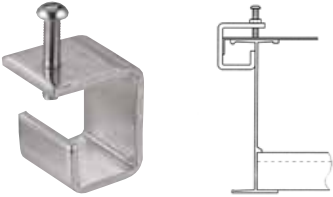
Aluminum covers

Accessories

| Quantity of standard cover clamps required        |        |         |        |
|---------------------------------------------------|--------|---------|--------|
| Straight sections 1.8 m (6 ft.)                   | 4 pcs. | Tees    | 6 pcs. |
| Straight sections 3 m (10 ft.) and 3.7 m (12 ft.) | 6 pcs. | Crosses | 8 pcs. |
| Horizontal and vertical bends                     | 4 pcs. |         |        |

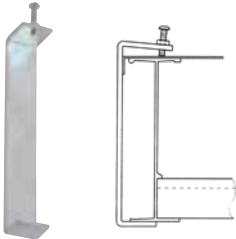
Important note: "B" in cat. no. indicates this accessory can be used for both styles.  
When using heavy-duty cover clamp, only half the quantity of pieces are required.

Economical cover clamp

|                                                                                   |  | Cat. no. | Application                  | Side rail height (in.) |
|-----------------------------------------------------------------------------------|--|----------|------------------------------|------------------------|
|  |  | ABW-SCC  | For use with aluminum covers | All sizes              |

Rigid indoor cover clamp for flat and flanged covers.  
Cannot be used with U-style fittings.

Universal fitting cover clamp

|                                                                                     |  | Cat. no.  | Application                  | Side rail height (in.) |
|-------------------------------------------------------------------------------------|--|-----------|------------------------------|------------------------|
|  |  | ABW(*)FCC | For use with aluminum covers | 4                      |
|                                                                                     |  |           | For use with aluminum covers | 5                      |
|                                                                                     |  |           | For use with aluminum covers | 6                      |
|                                                                                     |  |           | For use with aluminum covers | 7                      |

Rigid indoor cover clamp for flat and flanged covers.  
(\*) Insert side rail height

- Side rail heights: 4, 5, 6, 7 in.
- Tray widths: 06, 09, 12, 18, 24, 30, 36, 42 in.

Heavy-duty cover clamp

|                                                                                     |  | Cat. no.   | Material | Side rail height | Tray width (in.) |
|-------------------------------------------------------------------------------------|--|------------|----------|------------------|------------------|
|  |  | ABW(**)HCC | Aluminum | 4 to 7           | 06 to 42         |

Wraparound design offers added protection for rugged applications and outdoor conditions. Hardware included.  
(\*) Insert side rail height  
(\*\*) Insert tray width

- Side rail heights: 4, 5, 6, 7 in.
- Tray widths: 06, 09, 12, 18, 24, 30, 36, 42 in.

Extreme heavy-duty cover clamp

|                                                                                   | Cat. no.      | Material | Side rail height | Tray width (in.) |
|-----------------------------------------------------------------------------------|---------------|----------|------------------|------------------|
|  | ABW(*)(**)ECC | Aluminum | 4 to 7           | 06 to 42         |
|                                                                                   |               |          |                  |                  |
|                                                                                   |               |          |                  |                  |
|                                                                                   |               |          |                  |                  |

Wraparound design offers added protection for rugged applications and outdoor conditions. Hardware included.  
(\*) Insert side rail height  
(\*\*) Insert tray width

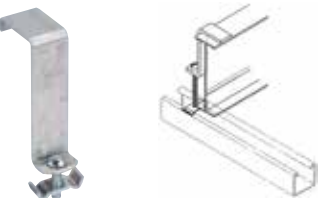
- Side rail heights: 4, 5, 6, 7 in.
- Tray widths: 06, 09, 12, 18, 24, 30, 36, 42 in.

Heavy-duty peaked cover clamp

|                                                                                     | Cat. no.      | Material | Side rail height | Tray width (in.) |
|-------------------------------------------------------------------------------------|---------------|----------|------------------|------------------|
|  | ABW(*)(**)HPC | Aluminum | 4 to 7           | 06 to 42         |
|                                                                                     |               |          |                  |                  |
|                                                                                     |               |          |                  |                  |
|                                                                                     |               |          |                  |                  |

Wraparound design formed to fit peaked cover for outdoor applications. Hardware included.  
(\*) Insert side rail height  
(\*\*) Insert tray width

Hold-down clamp

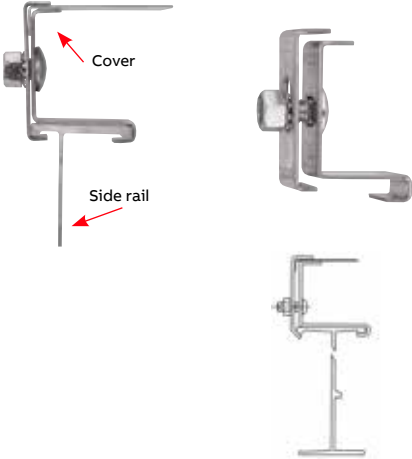
|                                                                                     | Cat. no.  | Material | Side rail height (in.) |
|-------------------------------------------------------------------------------------|-----------|----------|------------------------|
|  | ABW(*)HDC | Aluminum | 4                      |
|                                                                                     |           | Aluminum | 5                      |
|                                                                                     |           | Aluminum | 6                      |
|                                                                                     |           | Aluminum | 7                      |

Designed to secure cable tray to support system. Hardware included.  
(\*) Insert side rail height

Aluminum covers

Accessories

Raised cover clamp

|                                                                                   |  | Cat. no.    | Application                  | Cover series | Cover offset (in.)* |
|-----------------------------------------------------------------------------------|--|-------------|------------------------------|--------------|---------------------|
|  |  | ABW3(*)RCC† | For use with aluminum covers | 3            | 1                   |
|                                                                                   |  |             | For use with aluminum covers | 3            | 2                   |
|                                                                                   |  |             | For use with aluminum covers | 3            | 3                   |
|                                                                                   |  |             | For use with aluminum covers | 3            | 4                   |

(\*) Cover offset. For straight section and PFC and SFC covers only.  
Designed to raise cover above tray for added ventilation.  
† For indoor applications only.

Peaked end cap

|                                                                                     |  | Cat. no.  | Material | Tray width (in.) |
|-------------------------------------------------------------------------------------|--|-----------|----------|------------------|
|  |  | ABW(*)PEC | Aluminum | 06               |
|                                                                                     |  |           | Aluminum | 09               |
|                                                                                     |  |           | Aluminum | 12               |
|                                                                                     |  |           | Aluminum | 18               |
|                                                                                     |  |           | Aluminum | 24               |
|                                                                                     |  |           | Aluminum | 30               |
|                                                                                     |  |           | Aluminum | 36               |
|                                                                                     |  |           | Aluminum | 42               |

(\*) Insert tray width. Used for transition between peaked covers to straight covers.

Cover joint strip

|                                                                                     |  | Cat. no.  | Material | Tray width (in.) |
|-------------------------------------------------------------------------------------|--|-----------|----------|------------------|
|  |  | ABW(*)PCS | Plastic  | 06               |
|                                                                                     |  |           | Plastic  | 09               |
|                                                                                     |  |           | Plastic  | 12               |
|                                                                                     |  |           | Plastic  | 18               |
|                                                                                     |  |           | Plastic  | 24               |
|                                                                                     |  |           | Plastic  | 30               |
|                                                                                     |  |           | Plastic  | 36               |
|                                                                                     |  |           | Plastic  | 42               |

(\*) Insert tray width.  
Strip used for joining flat covers end to end.

## Aluminum splice plates

### Snap-in and transition plates



- Designed to lock into place for easy alignment and installation
- Packaged in pairs with zinc-plated hardware
- Kit contents: 8 bolts, 8 nuts
- Provided as standard with each straight and fitting

#### Snap-in splice plate

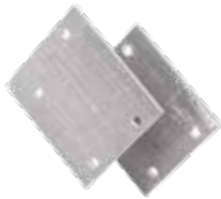
| Cat. no.  | Material | Side rail height (in.) |
|-----------|----------|------------------------|
| ABW-4-SSP | Aluminum | 4                      |
| ABW-5-SSP | Aluminum | 5                      |
| ABW-6-SSP | Aluminum | 6                      |
| ABW-7-SSP | Aluminum | 7                      |



- Allows for a 1 in. expansion or contraction of tray system
- Packaged in pairs with zinc-plated hardware
- Kit contents: 8 bolts, 4 nuts, 4 stop nuts  $\frac{3}{8}$  in. diameter

#### Snap-in expansion splice plate

| Cat. no.  | Material | Side rail height (in.) |
|-----------|----------|------------------------|
| ABW-4-ESP | Aluminum | 4                      |
| ABW-5-ESP | Aluminum | 5                      |
| ABW-6-ESP | Aluminum | 6                      |
| ABW-7-ESP | Aluminum | 7                      |



- Designed to make the transition from aluminum to steel cable tray
- Works for all 6 in. side rails

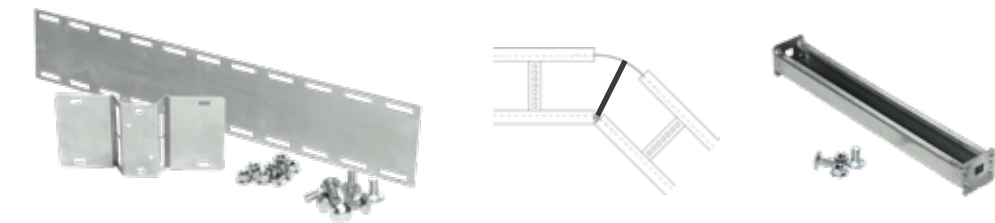
#### Transition splice plate

| Cat. no.          | Material             | Side rail height (in.) |
|-------------------|----------------------|------------------------|
| XNM-XP400-(*)-SS6 | Polyester/fiberglass | 6                      |

Each pair of plates:  
 8 x carriage bolt ( $\frac{3}{8}$  x 1 in.) SS316  
 8 x  $\frac{3}{8}$  in. serrated flange nut SS316

Aluminum splice plates

Horizontal and vertical bend plates - Flexible coupler



Horizontal bend plate



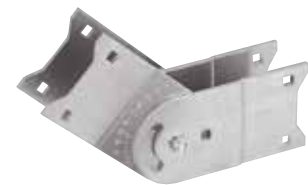
| Cat. no.     | Material | Side rail height (in.) | Tray width (in.) |
|--------------|----------|------------------------|------------------|
| ABW-(*)06HBP | Aluminum | 4 to 7                 | 06               |
| ABW-(*)09HBP | Aluminum | 4 to 7                 | 09               |
| ABW-(*)12HBP | Aluminum | 4 to 7                 | 12               |
| ABW-(*)18HBP | Aluminum | 4 to 7                 | 18               |
| ABW-(*)24HBP | Aluminum | 4 to 7                 | 24               |
| ABW-(*)30HBP | Aluminum | 4 to 7                 | 30               |
| ABW-(*)36HBP | Aluminum | 4 to 7                 | 36               |

Furnished in pairs with hardware.  
(\*) Insert side rail height.

Optional rung information (provides additional cable support)

| Cat. no.    | Material | Tray width (in.) |
|-------------|----------|------------------|
| ABW-R(*)HBP | Aluminum | 06               |
|             | Aluminum | 09               |
|             | Aluminum | 12               |
|             | Aluminum | 18               |
|             | Aluminum | 24               |
|             | Aluminum | 30               |
|             | Aluminum | 36               |

\* Insert tray width



- Hinged vertical plates provide maximum flexibility for changes in elevation
- Furnished in pairs with hardware
- Kit contents: 10 carriage bolts, 2 cap screws, 12 serrated flange nuts, 3/8 in. diameter

Vertical bend plate

|  | Cat. no.  | Material | Side rail height (in.) |
|--|-----------|----------|------------------------|
|  | ABW-4-VSP | Aluminum | 4                      |
|  | ABW-5-VSP | Aluminum | 5                      |
|  | ABW-6-VSP | Aluminum | 6                      |
|  | ABW-7-VSP | Aluminum | 7                      |

## Aluminum splice plates

Branch pivot connectors, box-to-tray plates and closure end plate

### Branch pivot connectors

|                                                                                   | Cat. no.  | Material | Side rail height (in.) |
|-----------------------------------------------------------------------------------|-----------|----------|------------------------|
|  | ABW-4-BPC | Aluminum | 4                      |
|                                                                                   | ABW-5-BPC | Aluminum | 5                      |
|                                                                                   | ABW-6-BPC | Aluminum | 6                      |
|                                                                                   | ABW-7-BPC | Aluminum | 7                      |

Allows cables to run from one tray level to another.



- Designed to secure tray to electrical panels or boxes, walls or end supports
- Furnished in pairs with hardware
- Kit contents: 8 bolts, 8 nuts, 8 lock washers, 3/8 in. diameter

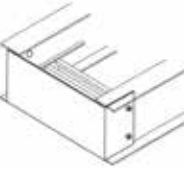
### Box-to-tray plates

|                                                                                     | Cat. no.  | Material | Side rail height (in.) |
|-------------------------------------------------------------------------------------|-----------|----------|------------------------|
|  | ABW-4-BSP | Aluminum | 4                      |
|                                                                                     | ABW-5-BSP | Aluminum | 5                      |
|                                                                                     | ABW-6-BSP | Aluminum | 6                      |
|                                                                                     | ABW-7-BSP | Aluminum | 7                      |



- Provides closure for any tray end
- Packaged with hardware
- Kit contents: 4 bolts, 4 nuts, 4 washers, 3/8 in. diameter
- Side rail heights: 4 in., 5 in., 6 in., 7 in.
- Inside tray widths: 06, 09, 12, 18, 24, 30, 36, 42 in.

### Closure end plate

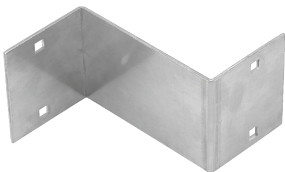
|                                                                                     | Cat. no.        | Material | Side rail height (in.)* | Tray width (in.)** |
|-------------------------------------------------------------------------------------|-----------------|----------|-------------------------|--------------------|
|  | ABW-(*)(**)-CEP | Aluminum | 4 to 7                  | 06 to 42           |
|                                                                                     |                 |          |                         |                    |

(\*) Insert side rail height

(\*\*) Insert tray width

Aluminum splice plates

Reducing splice plate, step-down splice plate, Super-Duty Splice Plate™

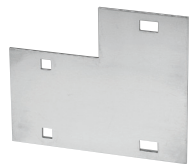


- Used in pairs to provide a straight reduction or used with a standard splice plate for an offset reduction
- Packaged with hardware
- Kit contents: 4 bolts, 4 nuts

Reducing splice plate

|  | Cat. no.     | Material | Side rail height (in.) |
|--|--------------|----------|------------------------|
|  | ABW-4(*)-RSP | Aluminum | 4                      |
|  | ABW-5(*)-RSP | Aluminum | 5                      |
|  | ABW-6(*)-RSP | Aluminum | 6                      |
|  | ABW-7(*)-RSP | Aluminum | 7                      |

(\*) For offset reduction: insert width to be reduced. For straight reduction: insert ½ width to be reduced (2 required).  
Example: ABW-43-RSP = 3 in. offset reducer.



- Connects side rails of different heights
- Kit contents: 4 bolts, 4 nuts

Step-down splice plate

|  | Cat. no.      | Material | Side rail height (in.) |
|--|---------------|----------|------------------------|
|  | ABW(*)(**)SDS | Aluminum | 4                      |
|  |               | Aluminum | 5                      |
|  |               | Aluminum | 6                      |
|  |               | Aluminum | 7                      |

(\*) Side rail height 1. (\*\*) Side rail height 2.  
Side rail height 1 is greater then side rail height 2.

- 2 Super-Duty Splice Plates
- 12 ribbed-neck carriage bolts
- 8 nylon insert locknuts
- 8 serrated flanged locknuts
- 12 nylon washers (spacers)

Super-Duty Splice Plate

|  | Cat. no.  | Side rail height (in.) |
|--|-----------|------------------------|
|  | ABW(*)SDP | 4                      |
|  |           | 5                      |
|  |           | 6                      |
|  |           | 7                      |

Comes complete with all hardware required, for either expansion or mid-span splicing.



# Splice plates

## Over-support splice adaptor

01 Expansion plate  
gap chart

Every expansion joint  
requires the use  
of a bonding jumper  
such as FBD16-1  
(16 in., 600 amps)



### ABW46-OSS-B

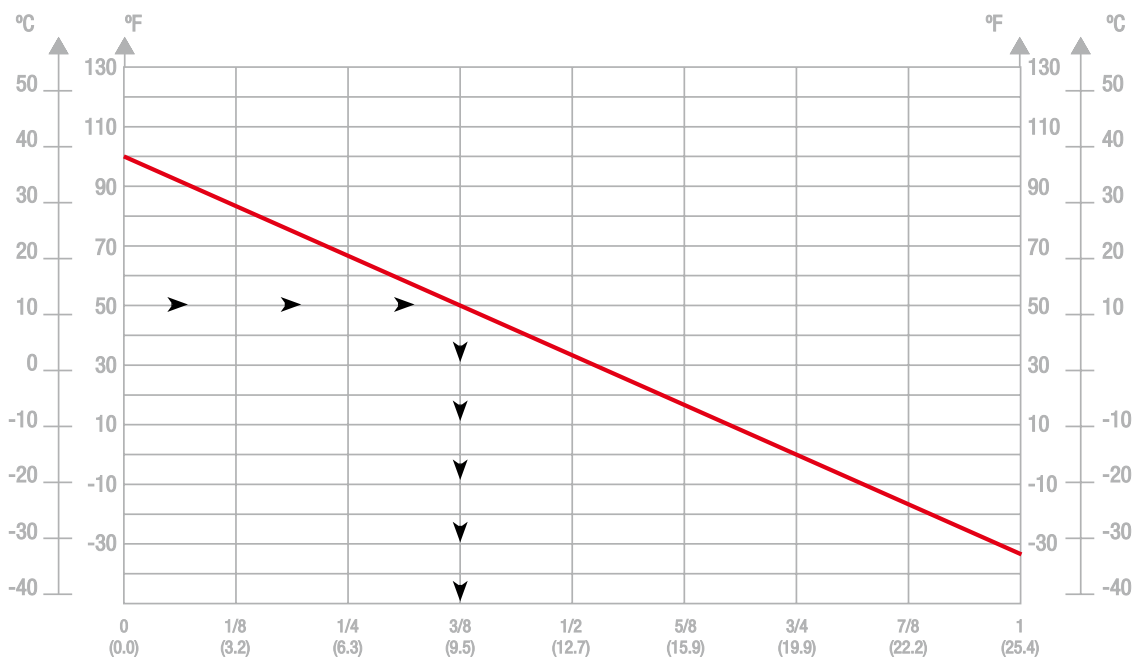
#### Over-support splice adaptor – Beam installation

- Expansion over support beam 29 in.
- SHW-CTC, heavy-duty hold-down clamp (complete with mounting hardware)
- ABWCHGC, standard hold-down clamp
- E142-3/8x100EG, 3/8 in.-16 x 1 in. hex cap screws
- AC100-3/8EGC, 3/8 in. strut nut

### ABW46-OSS-S

#### Over-support splice adaptor – Strut installation

- Expansion over support beam 29 in.
- ABWCHGC, standard hold-down clamp
- E142-3/8x100EG, 3/8 in.-16 x 1 in. hex cap screws
- AC100-3/8EGC, 3/8 in. strut nut





## Aluminum cable protection

### Drop out and wall penetration sleeve



- Designed to provide a smooth radius surface at any position on the tray or trough bottom
- Drop outs are easily attached using hardware provided
- Standard radius 4 in.
- Tray widths: 06, 09, 12, 18, 24, 30, 36, 42 in.

#### Drop out

|  | Cat. no.    | Description                              | Tray width (in.) |
|--|-------------|------------------------------------------|------------------|
|  | ABW(*)DO(S) | For ladder and ventilated tray, aluminum | 06 to 42         |
|  |             |                                          |                  |

(\*) Insert tray width  
(S) Solid tray only



- Designed to pass through walls and fire walls.
- Hardware included
- Important: Not fire rated
- Fire stop not included
- Sold with cover
- Side rail heights: 4, 5, 6, 7 in.
- Tray widths: 06, 09, 12, 18, 24, 30, 36, 42 in.

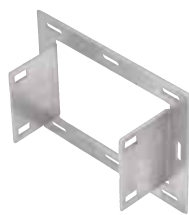
#### Wall penetration sleeve

| Cat. no.      | Material | Side rail height (in.) | Tray width (in.) |
|---------------|----------|------------------------|------------------|
| ABW(*)(**)WPS | Aluminum | 4 to 7                 | 06 to 42         |
|               |          |                        |                  |

(\*) Insert side rail height.  
(\*\*) Insert tray width

Aluminum cable protection

Frame-type tray-to-box plate and expansion pad



- Designed to secure tray to electrical enclosures and panels
- Hardware included
- Side rail heights: 4, 5, 6, 7 in.
- Tray widths: 06, 09, 12, 18, 24, 30, 36, 42 in.

Frame-type tray-to-box plate

| Cat. no.      | Material | Side rail height (in.) | Tray width (in.) |
|---------------|----------|------------------------|------------------|
| ABW(*)(**)FBP | Aluminum | 4 to 7                 | 06 to 42         |

(\*) Insert side rail height. (\*\*) Insert tray width

Nylon expansion pad

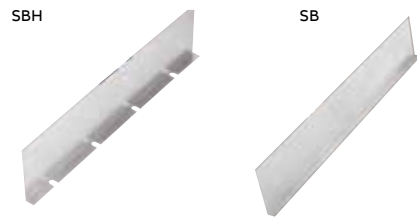
| Cat. no. | Material      |
|----------|---------------|
| ABW-NSP  | Natural nylon |



Allows for thermal expansion and contraction of cable trays over supports.

## Aluminum barrier strips

Barrier strips, vertical bend barriers



- Aluminum barrier strips provide a method of separating cables in tray and trough systems
- Easily installed using supplied hardware
- 72 in. barriers are flexible for use with horizontal fittings

### Barrier strips

| Cat. no.      | Designed for<br>side rail height (in.) | Length         |
|---------------|----------------------------------------|----------------|
| ABW-4-SBH-72  | 4                                      | 72 in.         |
| ABW-5-SBH-72  | 5                                      | 72 in.         |
| ABW-6-SBH-72  | 6                                      | 72 in.         |
| ABW-7-SBH-72  | 7                                      | 72 in.         |
| ABW-4-SB-(* ) | 4                                      | 144 in.<br>3 m |
| ABW-5-SB-(* ) | 5                                      | 144 in.<br>3 m |
| ABW-6-SB-(* ) | 6                                      | 144 in.<br>3 m |
| ABW-7-SB-(* ) | 7                                      | 144 in.<br>3 m |

72 in. barriers provided with 3 SPW10SCR. 144 in., 3 m barriers provided with 6 SPW10SCR.

(\*) Insert length.

### Inside/outside vertical bend barriers

|  | Inside bend cat. no. | Outside bend cat. no. | Designed for<br>side rail height (in.) |
|--|----------------------|-----------------------|----------------------------------------|
|  | AUW(*)VIB-(**)-(+)   | AUW(*)VOB-(**)-(+)    | 4                                      |
|  | AUW(*)VIB-(**)-(+)   | AUW(*)VOB-(**)-(+)    | 5                                      |
|  | AUW(*)VIB-(**)-(+)   | AUW(*)VOB-(**)-(+)    | 6                                      |
|  | AUW(*)VIB-(**)-(+)   | AUW(*)VOB-(**)-(+)    | 7                                      |
|  | AHW(*)VIB-(**)-(+)   | AHW(*)VOB-(**)-(+)    | 4                                      |
|  | AHW(*)VIB-(**)-(+)   | AHW(*)VOB-(**)-(+)    | 5                                      |
|  | AHW(*)VIB-(**)-(+)   | AHW(*)VOB-(**)-(+)    | 6                                      |
|  | AHW(*)VIB-(**)-(+)   | AHW(*)VOB-(**)-(+)    | 7                                      |

(\*) Insert side rail height (\*\*) Insert bend angle (+) Insert bend radius.

### Barrier strip splice

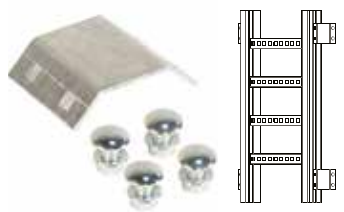
|  | Cat. no. | Material |
|--|----------|----------|
|  | ABWBSS   | Plastic  |

Alignment splice for joining connecting barrier strips.

## Aluminum clamps and hardware

Hold-down clamps, combo clamps, conduit clamps and tray hardware

### Hold-down clamp

|                                                                                   | Cat. no. | Type   | Material | Design load  |
|-----------------------------------------------------------------------------------|----------|--------|----------|--------------|
|  | ABW-HDCS | Single | Aluminum | 600 lb/pair  |
|                                                                                   | ABW-HDCD | Double | Aluminum | 1000 lb/pair |

For vertical applications

### Cable tray combo clamp

|                                                                                    | Cat. no.     | Material | Hardware size (in.) |
|------------------------------------------------------------------------------------|--------------|----------|---------------------|
|  | ABWCHGC      | Aluminum | $\frac{3}{8}$       |
|                                                                                    | ABWCHGC-HDW* | Aluminum | $\frac{3}{8}$       |

\*Hardware supplied: 1 bolt and 1 springless strut nut  $\frac{3}{8}$  in. diameter.

### Conduit clamp

|                                                                                     | Cat. no.    | Material | Conduit size (in.) |
|-------------------------------------------------------------------------------------|-------------|----------|--------------------|
|  | ABW-100-CDO | Aluminum | 1                  |
|                                                                                     | ABW-125-CDO | Aluminum | 1 $\frac{1}{4}$    |
|                                                                                     | ABW-150-CDO | Aluminum | 1 $\frac{1}{2}$    |
|                                                                                     | ABW-200-CDO | Aluminum | 2                  |
|                                                                                     | ABW-250-CDO | Aluminum | 2 $\frac{1}{2}$    |
|                                                                                     | ABW-300-CDO | Aluminum | 3                  |
|                                                                                     | ABW-400-CDO | Aluminum | 4                  |

### Aluminum tray hardware

|                                                                                     | Cat. no.       | Material          | Description                                             |
|-------------------------------------------------------------------------------------|----------------|-------------------|---------------------------------------------------------|
|  | SPW-1/4-CB     | Zinc-plated steel | $\frac{1}{4}$ in. carriage bolt                         |
|                                                                                     | SPW-3/8-CB     | Zinc-plated steel | $\frac{3}{8}$ in. carriage bolt                         |
|                                                                                     | SPW-1/4-HN     | Zinc-plated steel | $\frac{1}{4}$ in. hex. nut                              |
|                                                                                     | SPW-3/8-HN     | Zinc-plated steel | $\frac{3}{8}$ in. hex. nut                              |
|                                                                                     | SPW3/8HWK*     | Zinc-plated steel | Zinc-plated steel hardware kit                          |
|                                                                                     | SPW-3/8HXHWK** | Zinc-plated steel | Hardware kit $\frac{3}{8}$ in. for large radius crosses |
|                                                                                     | SSW-3/8-CB     | 316 stainless     | $\frac{3}{8}$ in. carriage bolt                         |
|                                                                                     | SSW-3/8-HN     | 316 stainless     | $\frac{3}{8}$ in. hex. nut                              |
|                                                                                     | SSW38HWK*      | 316 stainless     | 316 stainless steel hardware kit                        |
|                                                                                     | SSW-3/8HXHWK** | 316 stainless     | Hardware kit $\frac{3}{8}$ in. for large radius crosses |

\*Contains 8 bolts and 8 nuts.

\*\*Contains 6 bolts, 6 nuts and 6 washers.

## Aluminum clamps and hardware

Self-drilling tapping screws, cable tray guide, cable tray clamp and vertical tray hanger

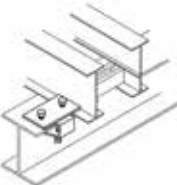
### Self-drilling tapping screw

|                                                                                   | Cat. no.   | Material          | Description                 |
|-----------------------------------------------------------------------------------|------------|-------------------|-----------------------------|
|  | SPW-10-SCR | Zinc-plated steel | Self-drilling tapping screw |
|                                                                                   |            | Stainless steel   | Self-drilling tapping screw |



- Expansion guide for single or double runs of cable tray
- No need to field drill the channel or I-beam

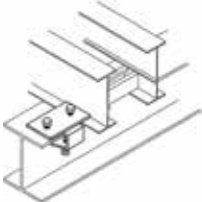
### Cable tray guide

|                                                                                    | Cat. no. | Material                    |
|------------------------------------------------------------------------------------|----------|-----------------------------|
|  | SPW-CTG  | Zinc-plated steel           |
|                                                                                    |          | Hot-dipped galvanized steel |



- Clamp for single run of cable tray
- No need to field drill the channel or I-beam

### Cable tray clamp

|                                                                                     | Cat. no. | Material                    |
|-------------------------------------------------------------------------------------|----------|-----------------------------|
|  | SPW-CTC  | Zinc-plated steel           |
|                                                                                     |          | Hot-dipped galvanized steel |

### Vertical tray hanger

|                                                                                     | Cat. no.  | Material | Side rail height (in.) |
|-------------------------------------------------------------------------------------|-----------|----------|------------------------|
|  | ABW(*)VTH | Aluminum | 4                      |
|                                                                                     |           | Aluminum | 5                      |
|                                                                                     |           | Aluminum | 6                      |
|                                                                                     |           | Aluminum | 7                      |

(\*) Insert side rail height

---

# Steel cable tray

## Straight lengths – Tray bottom

- 01 Ladder
- 02 Ventilated
- 03 Solid trough



---

### Ladder, ventilated and solid trough

#### Ladder

Formed side rails are welded to 1½ in. wide rungs to provide maximum rigidity and strength. Rung design includes exclusive Ty-Rap cable tie slots on 1 in. centers.

#### Ventilated

A fabricated structure consisting of integral or separate longitudinal rails and a bottom having openings sufficient for the passage of air and utilizing 75% or less of the plane area of the surface to support cables.

The maximum open spacings between cable support surfaces of transverse elements do not exceed 102 mm (4 in.) in the direction parallel to the tray side rails (rung to rung).

#### Solid trough

Solid sheet welded to steel side rails below rungs. This design offers added cable protection.



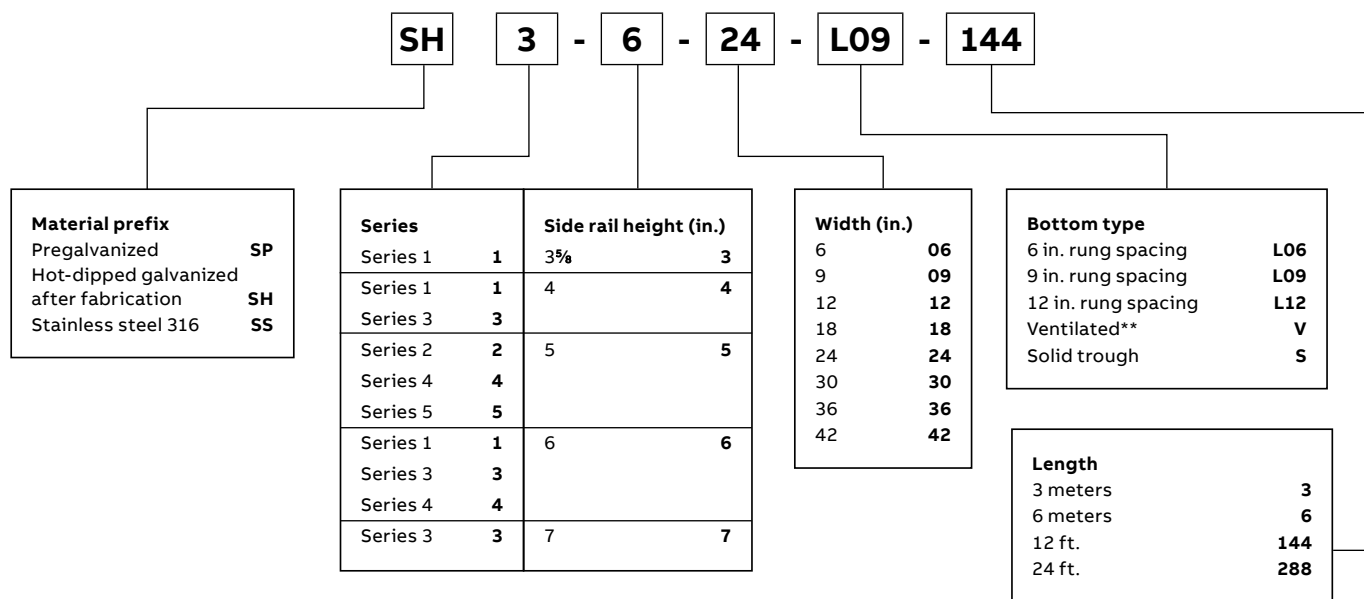
## Straight section number selection

### How to create part numbers

ABB has created a numbering system based on the order of selection criteria. For example, the first selection issue is the environment to which the cable tray will be subjected. This selection will lead to the best material for your application. For complete details on the cable tray selection process, see page A9 in the technical section.

### Methods

1. Select the material best suited to your environment. Refer to technical section page A9.
2. Determine the tray series using the NEMA/CSA load/span designations page A16, and sizing cable tray page A23.
3. Select nominal depth and width of tray based on cable loading. See sizing cable tray page A23.
4. Select the bottom type based on cables and spacing requirements.
5. The last number is the length of the cable tray in meters or inches.



\* Series 1-3 and 1-4 are not available in 6 meter or 288 in. lengths.

\*\* For load ratings of CSA Class C/NEMA 8C or less, please see an alternative ventilated series of cable tray called One-Piece found on pages A174 to A207 of this catalogue.

Steel straight lengths

3<sup>5</sup>/<sub>8</sub> in. straight sections/series 1-3 – Ladder, ventilated and solid trough



Technical specifications

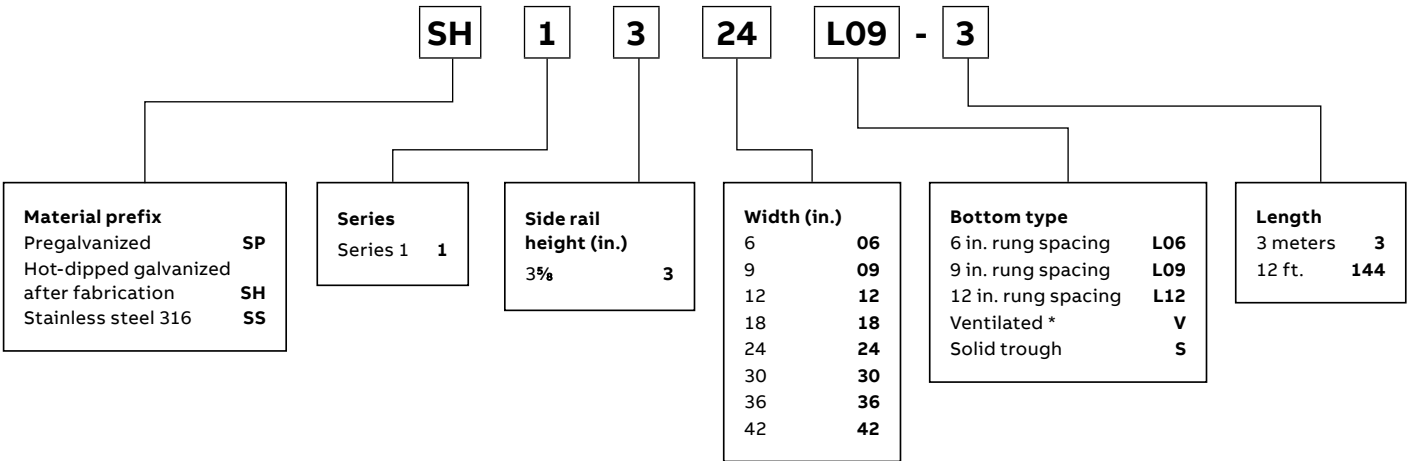
All calculations and data are based on 42 in. wide cable trays with rungs spaced 12 inches center to center with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

3<sup>5</sup>/<sub>8</sub> in. straight sections/series 1-3 – Ladder, ventilated and solid trough

|        |                   | Support span (feet) |        |        |        |
|--------|-------------------|---------------------|--------|--------|--------|
| Series |                   | 6                   | 8      | 10     | 12     |
| SP1-3  | Load (lb)/ft.)    | 200                 | 113    | 72     | 50     |
| SH1-3  | Deflection (in.)  | 0.242               | 0.430  | 0.672  | 0.967  |
| SS1-3  | Deflection factor | 0.0012              | 0.0038 | 0.0093 | 0.0193 |

Straight section number selection



\* For load CSA class C3M, NEMA 8C or less, please see an alternative ventilated series of cable tray called One-Piece found on pages A174 to A207 of this catalogue.

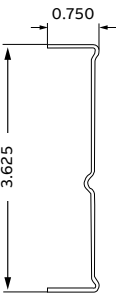
For fittings, consult pages A48 to A98.

Dimensions

| SP1-3, SH1-3, SS1-3                                                               |         |          |
|-----------------------------------------------------------------------------------|---------|----------|
|                                                                                   | W (in.) | Wi (in.) |
|  | 6       | 4.5      |
|                                                                                   | 9       | 7.5      |
|                                                                                   | 12      | 10.5     |
|                                                                                   | 18      | 16.5     |
|                                                                                   | 24      | 22.5     |
|                                                                                   | 30      | 28.5     |
|                                                                                   | 36      | 34.5     |
|                                                                                   | 42      | 40.5     |

**Technical specifications**  
**Load ratings:** 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

Load ratings: 1.5 safety factor

|                                                                                     | Series | Side rail design factors 1 pair                                                          | Classifications |      |                                                 |                      |
|-------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------|-----------------|------|-------------------------------------------------|----------------------|
|                                                                                     |        |                                                                                          | NEMA            | CSA  | UL                                              | ABS                  |
|  | SP1-3  | Ix = 0.80 in. <sup>4</sup><br>Sx = 0.44 in. <sup>3</sup><br>Area = 0.49 in. <sup>2</sup> | 12A             | C/3m | UL cross sectional area : 0.40 in. <sup>2</sup> | Stainless steel only |
|                                                                                     | SH1-3  |                                                                                          |                 |      |                                                 |                      |
|                                                                                     | SS1-3  |                                                                                          |                 |      |                                                 |                      |
|                                                                                     |        |                                                                                          |                 |      |                                                 |                      |

Steel straight lengths

4 in. straight sections/series 1-4, 3-4 – Ladder, ventilated and solid trough



Technical specifications

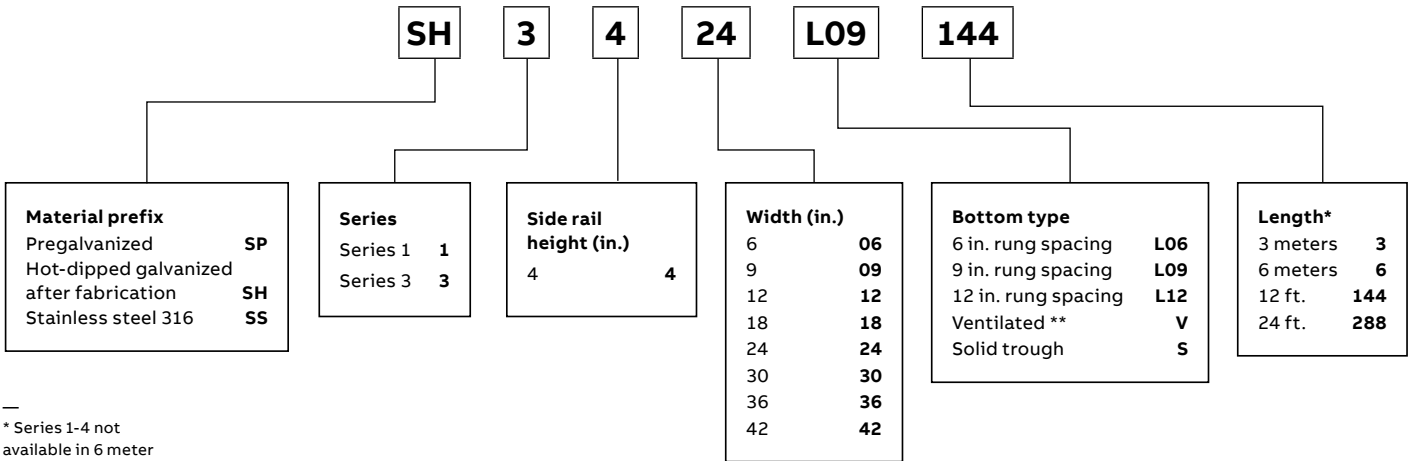
All calculations and data are based on 42 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

4 in. straight sections/series 1-4, 3-4 – Ladder, ventilated and solid trough

|        |                   | Support span (feet) |        |        |        |        |        |        |        |
|--------|-------------------|---------------------|--------|--------|--------|--------|--------|--------|--------|
| Series |                   | 6                   | 8      | 10     | 12     | 14     | 16     | 18     | 20     |
| SP1-4  | Load (lb)/ft.)    | 420                 | 236    | 151    | 105    | –      | –      | –      | –      |
| SH1-4  | Deflection (in.)  | 0.207               | 0.368  | 0.574  | 0.827  | –      | –      | –      | –      |
| SS1-4  | Deflection factor | 0.0005              | 0.0016 | 0.0038 | 0.0079 | –      | –      | –      | –      |
| SP3-4  | Load (lb)/ft.)    | 556                 | 313    | 200    | 139    | 102    | 78     | 62     | 50     |
| SH3-4  | Deflection (in.)  | 0.243               | 0.432  | 0.674  | 0.971  | 1.322  | 1.727  | 2.185  | 2.698  |
| SS3-4  | Deflection factor | 0.0004              | 0.0014 | 0.0034 | 0.0070 | 0.0130 | 0.0221 | 0.0354 | 0.0540 |

Straight section number selection



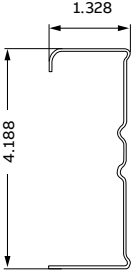
## Dimensions

|                                                                                   | SP1-4, SH1-4, SS1-4, SP3-4, SH3-4, SS3-4 |          |
|-----------------------------------------------------------------------------------|------------------------------------------|----------|
|                                                                                   | W (in.)                                  | Wi (in.) |
|  | 6                                        | 3.34     |
|                                                                                   | 9                                        | 6.34     |
|                                                                                   | 12                                       | 9.34     |
|                                                                                   | 18                                       | 15.34    |
|                                                                                   | 24                                       | 21.34    |
|                                                                                   | 30                                       | 27.34    |
|                                                                                   | 36                                       | 33.34    |
|                                                                                   | 42                                       | 39.34    |

## Technical specifications

**Load ratings:** 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

## Load ratings: 1.5 safety factor

|                                                                                     | Series                  | Side rail design factors 1 pair                                                         | Classifications |      |                                               |                      |
|-------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------|-----------------|------|-----------------------------------------------|----------------------|
|                                                                                     |                         |                                                                                         | NEMA            | CSA  | UL                                            | ABS                  |
|  | SP1-4<br>SH1-4<br>SS1-4 | $I_x = 1.97 \text{ in.}^4$<br>$S_x = 0.79 \text{ in.}^3$<br>Area = $0.68 \text{ in.}^2$ | 12C             | D/3m | UL cross sectional area: $0.70 \text{ in.}^2$ | Stainless steel only |
|                                                                                     | SP3-4<br>SH3-4<br>SS3-4 | $I_x = 2.22 \text{ in.}^4$<br>$S_x = 1.02 \text{ in.}^3$<br>Area = $1.08 \text{ in.}^2$ | 20A             | D/6m | UL cross sectional area: $0.70 \text{ in.}^2$ | Stainless steel only |
|                                                                                     |                         |                                                                                         |                 |      |                                               |                      |
|                                                                                     |                         |                                                                                         |                 |      |                                               |                      |
|                                                                                     |                         |                                                                                         |                 |      |                                               |                      |
|                                                                                     |                         |                                                                                         |                 |      |                                               |                      |

Steel straight lengths

5 in. straight sections/series 2-5, 4-5, 5-5 – Ladder, ventilated and solid trough



Technical specifications

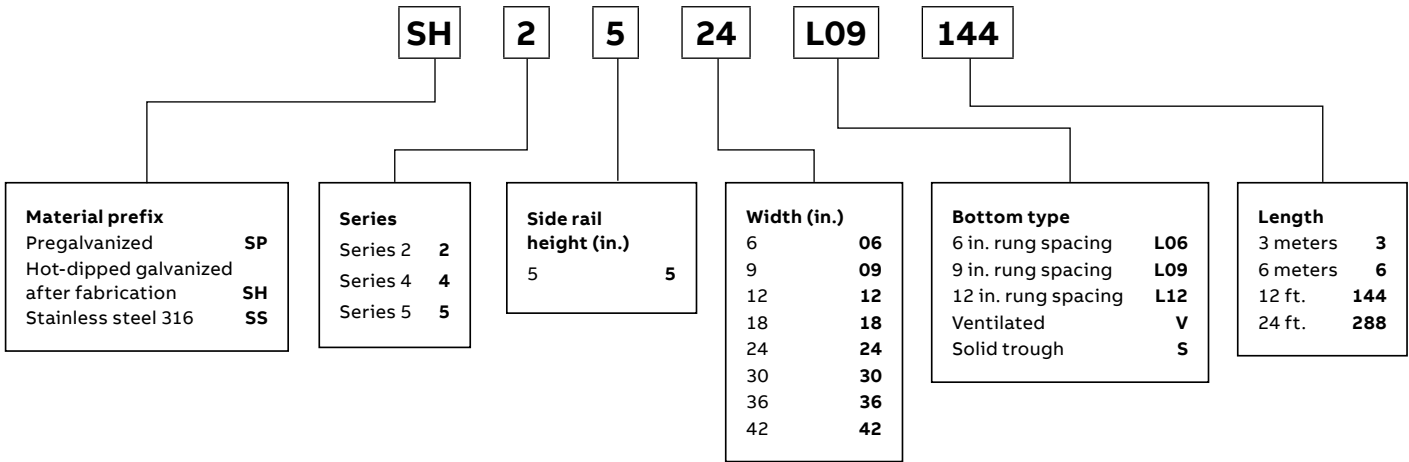
All calculations and data are based on 42 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

5 in. straight sections/series 2-5, 4-5, 5-5 – Ladder, ventilated and solid trough

|                         |                   | Support span (feet) |        |        |        |        |        |        |        |
|-------------------------|-------------------|---------------------|--------|--------|--------|--------|--------|--------|--------|
| Series                  |                   | 6                   | 8      | 10     | 12     | 14     | 16     | 18     | 20     |
| SP2-5<br>SH2-5<br>SS2-5 | Load (lb)/ft.)    | 556                 | 313    | 200    | 139    | 102    | 78     | 62     | 50     |
|                         | Deflection (in.)  | 0.187               | 0.332  | 0.519  | 0.747  | 1.017  | 1.329  | 1.682  | 2.076  |
|                         | Deflection factor | 0.0001              | 0.0011 | 0.0026 | 0.0054 | 0.0100 | 0.0170 | 0.0272 | 0.0415 |
| SP4-5<br>SH4-5<br>SS4-5 | Load (lb)/ft.)    | 833                 | 469    | 300    | 208    | 153    | 117    | 93     | 75     |
|                         | Deflection (in.)  | 0.216               | 0.384  | 0.600  | 0.864  | 1.176  | 1.536  | 1.944  | 2.400  |
|                         | Deflection factor | 0.0003              | 0.0008 | 0.0020 | 0.0041 | 0.0077 | 0.0131 | 0.0211 | 0.0320 |
| SP5-5<br>SH5-5<br>SS5-5 | Load (lb)/ft.)    | –                   | 625    | 400    | 278    | 204    | 156    | 123    | 100    |
|                         | Deflection (in.)  | –                   | 0.414  | 0.647  | 0.932  | 1.269  | 1.657  | 2.097  | 2.589  |
|                         | Deflection factor | –                   | 0.0007 | 0.0016 | 0.0034 | 0.0062 | 0.0106 | 0.0170 | 0.0259 |

Straight section number selection



## Dimensions



### SP2-5, SH2-5, SS2-5, SP4-5, SH4-5, SS4-5, SP5-5, SH5-5, SS5-5

| W (in.) | Wi (in.) |
|---------|----------|
| 6       | 3.34     |
| 9       | 6.34     |
| 12      | 9.34     |
| 18      | 15.34    |
| 24      | 21.34    |
| 30      | 27.34    |
| 36      | 33.34    |
| 42      | 39.34    |

## Technical specifications

**Load ratings:** 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

## Load ratings: 1.5 safety factor

|  | Series                  | Side rail design factors 1 pair                                                         | Classifications |              |                                               |                      |
|--|-------------------------|-----------------------------------------------------------------------------------------|-----------------|--------------|-----------------------------------------------|----------------------|
|  |                         |                                                                                         | NEMA            | CSA          | UL                                            | ABS                  |
|  | SP2-5<br>SH2-5<br>SS2-5 | $I_x = 2.89 \text{ in.}^4$<br>$S_x = 1.09 \text{ in.}^3$<br>Area = $0.78 \text{ in.}^2$ | 20A             | D/6m         | UL cross sectional area: $0.70 \text{ in.}^2$ | Stainless steel only |
|  | SP4-5<br>SH4-5<br>SS4-5 | $I_x = 3.75 \text{ in.}^4$<br>$S_x = 1.40 \text{ in.}^3$<br>Area = $1.02 \text{ in.}^2$ | 20B             | E/6m         | UL cross sectional area: $1.00 \text{ in.}^2$ | Stainless steel only |
|  | SP5-5<br>SH5-5<br>SS5-5 | $I_x = 4.64 \text{ in.}^4$<br>$S_x = 1.73 \text{ in.}^3$<br>Area = $1.24 \text{ in.}^2$ | 20C             | Exceeds E/6m | UL cross sectional area: $1.00 \text{ in.}^2$ | Stainless steel only |

## Steel straight lengths

6 in. straight sections/series 1-6, 3-6, 4-6 – Ladder, ventilated and solid trough



### Technical specifications

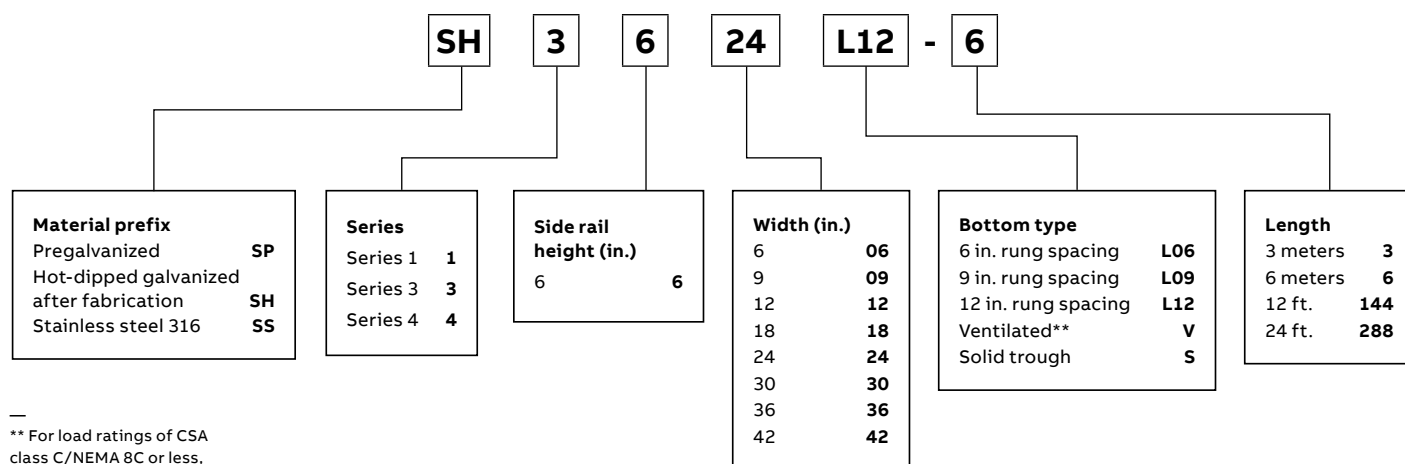
All calculations and data are based on 42 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

6 in. straight sections/series 1-6, 3-6, 4-6 – Ladder, ventilated and solid trough

|        |                   | Support span (feet) |        |        |        |        |        |        |        |
|--------|-------------------|---------------------|--------|--------|--------|--------|--------|--------|--------|
| Series |                   | 6                   | 8      | 10     | 12     | 14     | 16     | 18     | 20     |
| SP1-6  | Load (lb)/ft.)    | 556                 | 313    | 200    | 139    | 102    | 78     | 62     | 50     |
| SH1-6  | Deflection (in.)  | 0.122               | 0.216  | 0.338  | 0.486  | 0.662  | 0.865  | 1.095  | 1.351  |
| SS1-6  | Deflection factor | 0.0002              | 0.0007 | 0.0017 | 0.0035 | 0.0065 | 0.0111 | 0.0177 | 0.0270 |
| SP3-6  | Load (lb)/ft.)    | 833                 | 469    | 300    | 208    | 153    | 117    | 93     | 75     |
| SH3-6  | Deflection (in.)  | 0.151               | 0.268  | 0.419  | 0.603  | 0.821  | 1.072  | 1.357  | 1.675  |
| SS3-6  | Deflection factor | 0.0002              | 0.0006 | 0.0014 | 0.0029 | 0.0054 | 0.0091 | 0.0147 | 0.0223 |
| SP4-6  | Load (lb)/ft.)    | –                   | 728    | 466    | 324    | 238    | 182    | 144    | 117    |
| SH4-6  | Deflection (in.)  | –                   | 0.312  | 0.487  | 0.702  | 0.955  | 1.247  | 1.579  | 1.949  |
| SS4-6  | Deflection factor | –                   | 0.0004 | 0.0010 | 0.0022 | 0.0040 | 0.0069 | 0.0110 | 0.0167 |

### Straight section number selection



\*\* For load ratings of CSA class C/NEMA 8C or less, please see an alternative ventilated series of cable tray called One-Piece found on pages A174 to A207 of this catalogue.

For fittings, consult pages A48 to A98.



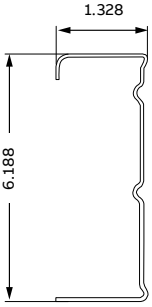
## Dimensions

| SP1-6, SH1-6, SS1-6, SP3-6, SH3-6, SS3-6, SP4-6, SH4-6, SS4-6                     |         |          |
|-----------------------------------------------------------------------------------|---------|----------|
|                                                                                   | W (in.) | Wi (in.) |
|  | 6       | 3.34     |
|                                                                                   | 9       | 6.34     |
|                                                                                   | 12      | 9.34     |
|                                                                                   | 18      | 15.34    |
|                                                                                   | 24      | 21.34    |
|                                                                                   | 30      | 27.34    |
|                                                                                   | 36      | 33.34    |
|                                                                                   | 42      | 39.34    |

## Technical specifications

**Load ratings:** 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

## Load ratings: 1.5 safety factor

|                                                                                     | Series | Side rail design factors 1 pair                                                                | Classifications |              |                                                |                      |
|-------------------------------------------------------------------------------------|--------|------------------------------------------------------------------------------------------------|-----------------|--------------|------------------------------------------------|----------------------|
|                                                                                     |        |                                                                                                | NEMA            | CSA          | UL                                             | ABS                  |
|  | SP1-6  | $I_x = 4.44 \text{ in.}^4$<br>$S_x = 1.39 \text{ in.}^3$<br>$\text{Area} = 0.87 \text{ in.}^2$ | 20A             | D/6m         | UL cross sectional area: 0.70 in. <sup>2</sup> | Stainless steel only |
|                                                                                     | SH1-6  |                                                                                                |                 |              |                                                |                      |
|                                                                                     | SS1-6  |                                                                                                |                 |              |                                                |                      |
|                                                                                     | SP3-6  | $I_x = 5.37 \text{ in.}^4$<br>$S_x = 1.7 \text{ in.}^3$<br>$\text{Area} = 1.23 \text{ in.}^2$  | 20B             | E/6m         | UL cross sectional area: 1.00 in. <sup>2</sup> | Stainless steel only |
|                                                                                     | SH3-6  |                                                                                                |                 |              |                                                |                      |
|                                                                                     | SS3-6  |                                                                                                |                 |              |                                                |                      |
|                                                                                     | SP4-6  | $I_x = 7.17 \text{ in.}^4$<br>$S_x = 2.25 \text{ in.}^3$<br>$\text{Area} = 1.47 \text{ in.}^2$ | 20C             | Exceeds E/6m | UL cross sectional area: 1.00 in. <sup>2</sup> | Stainless steel only |
|                                                                                     | SH4-6  |                                                                                                |                 |              |                                                |                      |
|                                                                                     | SS4-6  |                                                                                                |                 |              |                                                |                      |

Steel straight lengths

7 in. straight sections/series 3-7 – Ladder, ventilated and solid trough



Technical specifications

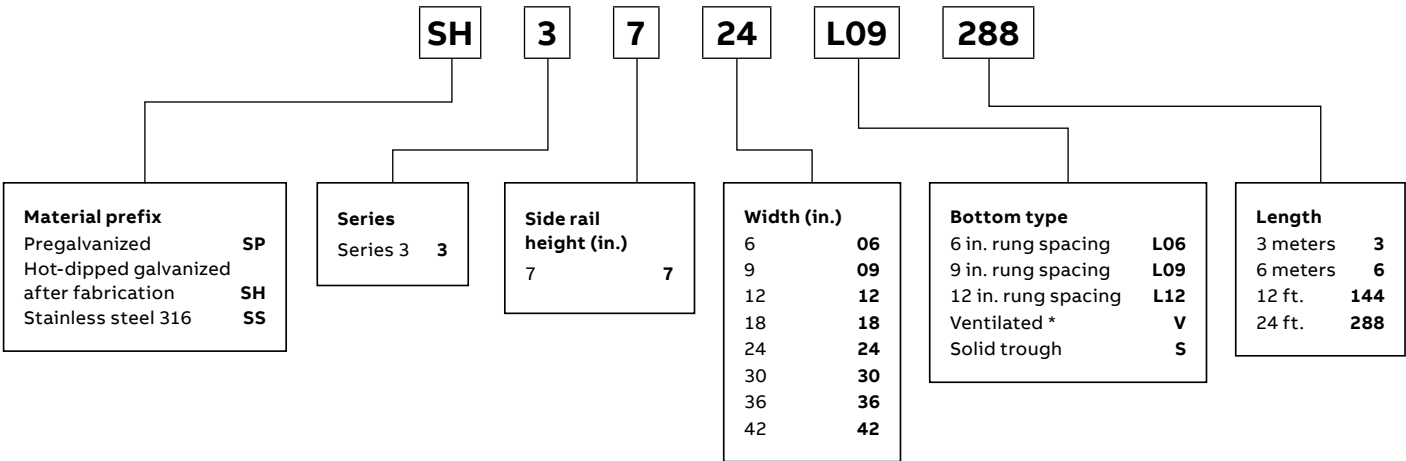
All calculations and data are based on 42 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

6 in. straight sections/series 1-6, 3-6, 4-6 – Ladder, ventilated and solid trough

|        |                   | Support span (feet) |        |        |        |        |        |        |        |
|--------|-------------------|---------------------|--------|--------|--------|--------|--------|--------|--------|
| Series |                   | 6                   | 8      | 10     | 12     | 14     | 16     | 18     | 20     |
| SP3-7  | Load (lb)/ft.)    | –                   | 750    | 480    | 333    | 245    | 188    | 148    | 120    |
| SH3-7  | Deflection (in.)  | –                   | 0.221  | 0.346  | 0.498  | 0.678  | 0.885  | 1.120  | 1.383  |
| SS3-7  | Deflection Factor | –                   | 0.0003 | 0.0007 | 0.0015 | 0.0028 | 0.0047 | 0.0076 | 0.0115 |

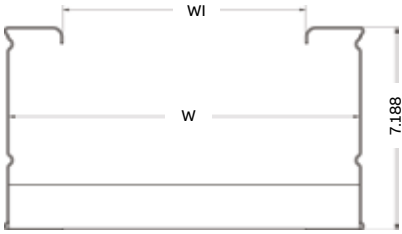
Straight section number selection



\* For load ratings of CSA class C/NEMA 12C or less, please see an alternative ventilated series of cable tray called One-Piece found on pages A174 to A207 of this catalogue.

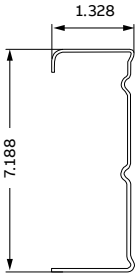
For fittings consult, pages A48 to A98.

—  
Dimensions

| SP3-7, SH3-7, SS3-7                                                               |         |          |
|-----------------------------------------------------------------------------------|---------|----------|
|                                                                                   | W (in.) | Wi (in.) |
|  | 6       | 3.34     |
|                                                                                   | 9       | 6.34     |
|                                                                                   | 12      | 9.34     |
|                                                                                   | 18      | 15.34    |
|                                                                                   | 24      | 21.34    |
|                                                                                   | 30      | 27.34    |
|                                                                                   | 36      | 33.34    |
|                                                                                   | 42      | 39.34    |

**Technical specifications**  
**Load ratings:** 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any portion of tray (side rail, rung, etc.) above and beyond published load class.

—  
Load ratings: 1.5 safety factor

|                                                                                     | Series | Side rail design factors 1 pair                                                           | Classifications |              |                                                |                      |
|-------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------|-----------------|--------------|------------------------------------------------|----------------------|
|                                                                                     |        |                                                                                           | NEMA            | CSA          | UL                                             | ABS                  |
|  | SP3-7  | Ix = 10.41 in. <sup>4</sup><br>Sx = 2.82 in. <sup>3</sup><br>Area = 1.54 in. <sup>2</sup> | Exceeds 20C     | Exceeds E/6m | UL cross sectional area: 1.50 in. <sup>2</sup> | Stainless steel only |
|                                                                                     | SH3-7  |                                                                                           |                 |              |                                                |                      |
|                                                                                     | SS3-7  |                                                                                           |                 |              |                                                |                      |

# Steel fittings

## Introducing our new flexible coupler

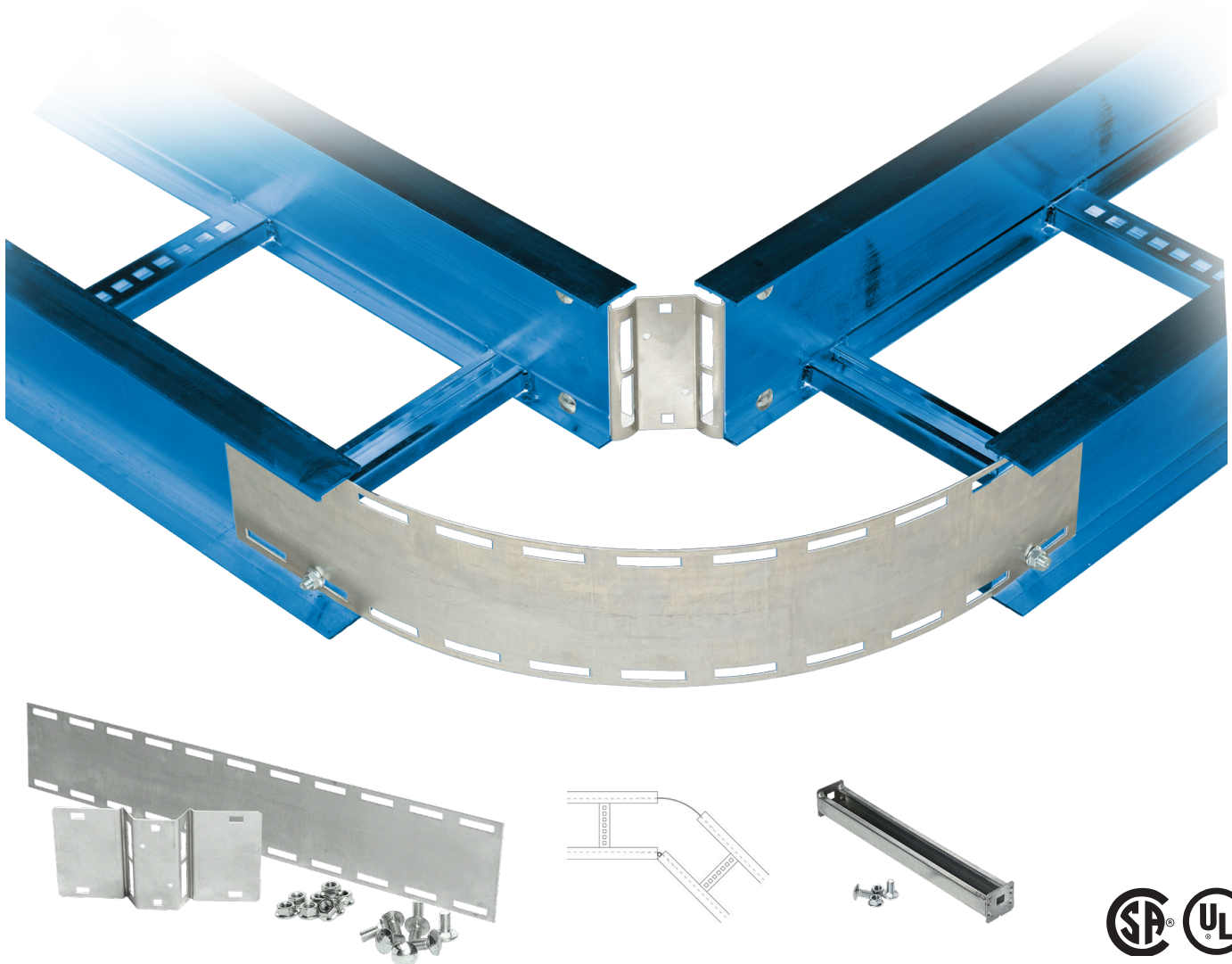
**Exterior strap provides accurate radius to meet your cable tray design requirements.**

The flexible coupler provides easy installation without measuring and cutting cable tray side rails. Once installed, the coupler allows for electrical continuity, therefore eliminating the requirement for a bonding jumper.

- Formed ribs provide better cable protection
- Fast and easy installation
- Meets the electrical continuity requirement of NEMA VE1 and CSA C22.2 No. 126.1

**Features and benefits**

- Reduces installation time
- No need for a bonding jumper
- Flexible and economical alternative to regular AU/AH fitting



Steel fittings

Flexible coupler



Steel – Flexible coupler



| Cat. no.          | Material      | Side rail height (in.) | Tray width (in.) |
|-------------------|---------------|------------------------|------------------|
| (Prefix)-(*)06HBP | SPW, SHW, SSW | 3 to 7                 | 06               |
| (Prefix)-(*)09HBP | SPW, SHW, SSW | 3 to 7                 | 09               |
| (Prefix)-(*)12HBP | SPW, SHW, SSW | 3 to 7                 | 12               |
| (Prefix)-(*)18HBP | SPW, SHW, SSW | 3 to 7                 | 18               |
| (Prefix)-(*)24HBP | SPW, SHW, SSW | 3 to 7                 | 24               |
| (Prefix)-(*)30HBP | SPW, SHW, SSW | 3 to 7                 | 30               |
| (Prefix)-(*)36HBP | SPW, SHW, SSW | 3 to 7                 | 36               |

\*Insert side rail height

Optional rung information (provides additional cable support)

| Cat. no.        | Material      | Tray width (in.) |
|-----------------|---------------|------------------|
| (Prefix)-R06HBP | SPW, SHW, SSW | 06               |
| (Prefix)-R09HBP | SPW, SHW, SSW | 09               |
| (Prefix)-R12HBP | SPW, SHW, SSW | 12               |
| (Prefix)-R18HBP | SPW, SHW, SSW | 18               |
| (Prefix)-R24HBP | SPW, SHW, SSW | 24               |
| (Prefix)-R30HBP | SPW, SHW, SSW | 30               |
| (Prefix)-R36HBP | SPW, SHW, SSW | 36               |

Load rating with optional rung

| Tray width                     | Side rail height         |                                 |                                 |
|--------------------------------|--------------------------|---------------------------------|---------------------------------|
|                                | 3 in.<br>(76 mm)         | 4 and 5 in.<br>(102 and 127 mm) | 6 and 7 in.<br>(152 and 178 mm) |
| 36 in.<br>(914 mm)             | 50 lb/ft.<br>(74 kg/m)   | Al: 75 lb/ft.<br>(112 kg/m)     | Steel: 50 lb/ft.<br>(74 kg/m)   |
| 30 in.<br>(762 mm)             | 75 lb/ft.<br>(112 kg/m)  |                                 | 100 lb/ft.<br>(149 kg/m)        |
| 6 to 24 in.<br>(152 to 610 mm) | 100 lb/ft.<br>(149 kg/m) | 100 lb/ft.<br>(149 kg/m)        | 100 lb/ft.<br>(149 kg/m)        |

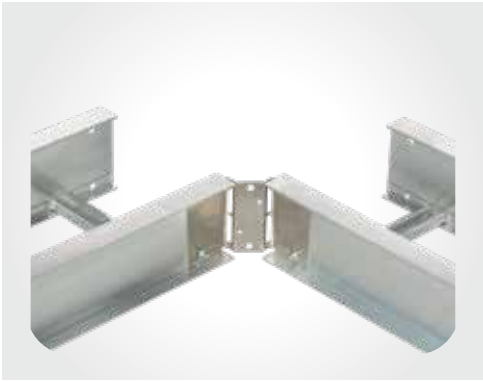
- 01 Fasten flexible coupler to tray.
- 02 Bend.
- 03 Fasten to the other length of cable tray.
- 04 Fasten the strap.



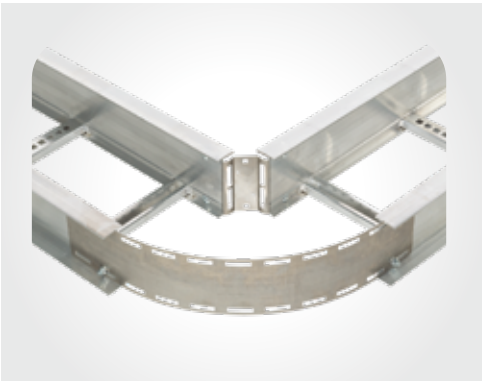
01



02



03

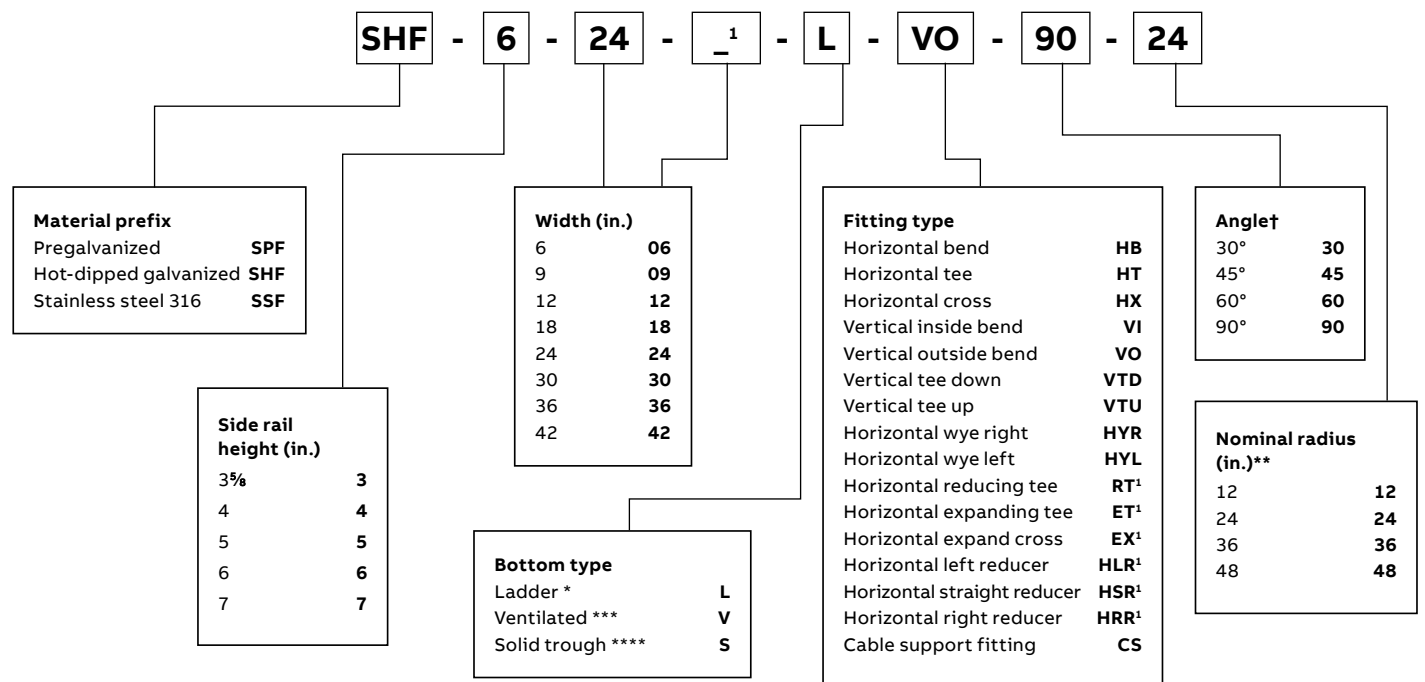


04



## Steel fittings

### Fittings number selection



<sup>1</sup> A second width is required.

—  
† For HB, VI, VO fitting types only.

—  
\* Manufactured with 9 in. rung spacing measured at the center line of fitting.

—  
\*\* Radius is not required for the following fitting types: HYR, HYL, HLR, HRR, HSR.

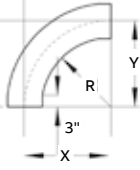
—  
\*\*\* Manufactured with 4 in. edge-to-edge rung spacing measured at the center line of fitting.

—  
\*\*\*\* Manufactured with flat sheet inserted under rungs with 9 in. rung spacing measured at the center line of fitting.

## Steel fittings

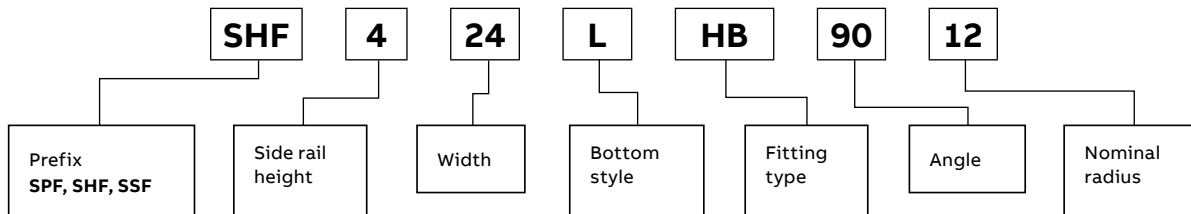
### 90°/60° Horizontal bend fittings

#### 90° Horizontal bend

|                                                                                     | Nominal      |             | Cat. no.                 | Dimensions (in.) |     |
|-------------------------------------------------------------------------------------|--------------|-------------|--------------------------|------------------|-----|
|                                                                                     | Radius (in.) | Width (in.) |                          | X                | Y   |
|    | 12           | 6           | Prefix(t)-06-(*)-HB90-12 | 15               | 15  |
|                                                                                     | 12           | 9           | Prefix(t)-09-(*)-HB90-12 | 16½              | 16½ |
|                                                                                     | 12           | 12          | Prefix(t)-12-(*)-HB90-12 | 18               | 18  |
|                                                                                     | 12           | 18          | Prefix(t)-18-(*)-HB90-12 | 21               | 21  |
|                                                                                     | 12           | 24          | Prefix(t)-24-(*)-HB90-12 | 24               | 24  |
|                                                                                     | 12           | 30          | Prefix(t)-30-(*)-HB90-12 | 27               | 27  |
|                                                                                     | 12           | 36          | Prefix(t)-36-(*)-HB90-12 | 30               | 30  |
|                                                                                     | 12           | 42          | Prefix(t)-42-(*)-HB90-12 | 33               | 33  |
|                                                                                     | 24           | 6           | Prefix(t)-06-(*)-HB90-24 | 27               | 27  |
|                                                                                     | 24           | 9           | Prefix(t)-09-(*)-HB90-24 | 28½              | 28½ |
|                                                                                     | 24           | 12          | Prefix(t)-12-(*)-HB90-24 | 30               | 30  |
|                                                                                     | 24           | 18          | Prefix(t)-18-(*)-HB90-24 | 33               | 33  |
|                                                                                     | 24           | 24          | Prefix(t)-24-(*)-HB90-24 | 36               | 36  |
|                                                                                     | 24           | 30          | Prefix(t)-30-(*)-HB90-24 | 39               | 39  |
|                                                                                     | 24           | 36          | Prefix(t)-36-(*)-HB90-24 | 42               | 42  |
|                                                                                     | 24           | 42          | Prefix(t)-42-(*)-HB90-24 | 45               | 45  |
|                                                                                     | 36           | 6           | Prefix(t)-06-(*)-HB90-36 | 39               | 39  |
|                                                                                     | 36           | 9           | Prefix(t)-09-(*)-HB90-36 | 40½              | 40½ |
|                                                                                     | 36           | 12          | Prefix(t)-12-(*)-HB90-36 | 42               | 42  |
|                                                                                     | 36           | 18          | Prefix(t)-18-(*)-HB90-36 | 45               | 45  |
|                                                                                     | 36           | 24          | Prefix(t)-24-(*)-HB90-36 | 48               | 48  |
|                                                                                     | 36           | 30          | Prefix(t)-30-(*)-HB90-36 | 51               | 51  |
|                                                                                     | 36           | 36          | Prefix(t)-36-(*)-HB90-36 | 54               | 54  |
|                                                                                     | 36           | 42          | Prefix(t)-42-(*)-HB90-36 | 57               | 57  |
|  | 48           | 6           | Prefix(t)-06-(*)-HB90-48 | 51               | 51  |
|                                                                                     | 48           | 9           | Prefix(t)-09-(*)-HB90-48 | 52½              | 52½ |
|                                                                                     | 48           | 12          | Prefix(t)-12-(*)-HB90-48 | 54               | 54  |
|                                                                                     | 48           | 18          | Prefix(t)-18-(*)-HB90-48 | 57               | 57  |
|                                                                                     | 48           | 24          | Prefix(t)-24-(*)-HB90-48 | 60               | 60  |
|                                                                                     | 48           | 30          | Prefix(t)-30-(*)-HB90-48 | 63               | 63  |
|                                                                                     | 48           | 36          | Prefix(t)-36-(*)-HB90-48 | 66               | 66  |
|                                                                                     | 48           | 42          | Prefix(t)-42-(*)-HB90-48 | 69               | 69  |

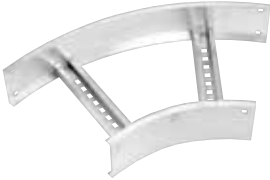
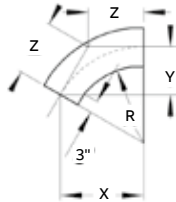
(t) Insert side rail height (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

#### Part numbering system





## 60° Horizontal bend

|                                                                                     | Nominal      |             | Cat. no.                 | Dimensions (in.)   |                  |                    |
|-------------------------------------------------------------------------------------|--------------|-------------|--------------------------|--------------------|------------------|--------------------|
|                                                                                     | Radius (in.) | Width (in.) |                          | X                  | Y                | Z                  |
|    | 12           | 6           | Prefix(t)-06-(*)-HB60-12 | 14 $\frac{7}{8}$   | 8 $\frac{5}{8}$  | 9 $\frac{15}{16}$  |
|                                                                                     | 12           | 9           | Prefix(t)-09-(*)-HB60-12 | 16 $\frac{3}{16}$  | 9 $\frac{3}{8}$  | 10 $\frac{13}{16}$ |
|                                                                                     | 12           | 12          | Prefix(t)-12-(*)-HB60-12 | 17 $\frac{1}{2}$   | 10 $\frac{1}{8}$ | 11 $\frac{11}{16}$ |
|                                                                                     | 12           | 18          | Prefix(t)-18-(*)-HB60-12 | 20 $\frac{1}{16}$  | 11 $\frac{5}{8}$ | 13 $\frac{3}{8}$   |
|                                                                                     | 12           | 24          | Prefix(t)-24-(*)-HB60-12 | 22 $\frac{11}{16}$ | 13 $\frac{3}{8}$ | 15 $\frac{1}{8}$   |
|                                                                                     | 12           | 30          | Prefix(t)-30-(*)-HB60-12 | 25 $\frac{5}{16}$  | 14 $\frac{5}{8}$ | 16 $\frac{7}{8}$   |
|                                                                                     | 12           | 36          | Prefix(t)-36-(*)-HB60-12 | 27 $\frac{7}{8}$   | 16 $\frac{3}{8}$ | 18 $\frac{9}{16}$  |
|                                                                                     | 12           | 42          | Prefix(t)-42-(*)-HB60-12 | 30 $\frac{1}{2}$   | 17 $\frac{7}{8}$ | 20 $\frac{5}{16}$  |
|                                                                                     | 24           | 6           | Prefix(t)-06-(*)-HB60-24 | 25 $\frac{5}{16}$  | 14 $\frac{3}{8}$ | 16 $\frac{7}{8}$   |
|                                                                                     | 24           | 9           | Prefix(t)-09-(*)-HB60-24 | 26 $\frac{9}{16}$  | 15 $\frac{3}{8}$ | 17 $\frac{3}{4}$   |
|                                                                                     | 24           | 12          | Prefix(t)-12-(*)-HB60-24 | 27 $\frac{7}{8}$   | 16 $\frac{1}{8}$ | 18 $\frac{9}{16}$  |
|                                                                                     | 24           | 18          | Prefix(t)-18-(*)-HB60-24 | 30 $\frac{1}{2}$   | 17 $\frac{7}{8}$ | 20 $\frac{5}{16}$  |
|                                                                                     | 24           | 24          | Prefix(t)-24-(*)-HB60-24 | 33 $\frac{3}{16}$  | 19 $\frac{1}{8}$ | 22 $\frac{1}{16}$  |
|                                                                                     | 24           | 30          | Prefix(t)-30-(*)-HB60-24 | 35 $\frac{11}{16}$ | 20 $\frac{5}{8}$ | 23 $\frac{13}{16}$ |
|                                                                                     | 24           | 36          | Prefix(t)-36-(*)-HB60-24 | 38 $\frac{1}{4}$   | 22 $\frac{1}{8}$ | 25 $\frac{1}{2}$   |
|                                                                                     | 24           | 42          | Prefix(t)-42-(*)-HB60-24 | 40 $\frac{7}{8}$   | 23 $\frac{3}{8}$ | 27 $\frac{1}{4}$   |
|  | 36           | 6           | Prefix(t)-06-(*)-HB60-36 | 35 $\frac{11}{16}$ | 20 $\frac{5}{8}$ | 23 $\frac{13}{16}$ |
|                                                                                     | 36           | 9           | Prefix(t)-09-(*)-HB60-36 | 37                 | 21 $\frac{3}{8}$ | 24 $\frac{5}{8}$   |
|                                                                                     | 36           | 12          | Prefix(t)-12-(*)-HB60-36 | 38 $\frac{3}{4}$   | 22 $\frac{1}{8}$ | 25 $\frac{1}{2}$   |
|                                                                                     | 36           | 18          | Prefix(t)-18-(*)-HB60-36 | 40 $\frac{7}{8}$   | 23 $\frac{3}{8}$ | 27 $\frac{7}{8}$   |
|                                                                                     | 36           | 24          | Prefix(t)-24-(*)-HB60-36 | 43 $\frac{1}{2}$   | 25 $\frac{5}{8}$ | 29                 |
|                                                                                     | 36           | 30          | Prefix(t)-30-(*)-HB60-36 | 46 $\frac{1}{16}$  | 26 $\frac{5}{8}$ | 30 $\frac{11}{16}$ |
|                                                                                     | 36           | 36          | Prefix(t)-36-(*)-HB60-36 | 48 $\frac{11}{16}$ | 28 $\frac{1}{8}$ | 32 $\frac{7}{16}$  |
|                                                                                     | 36           | 42          | Prefix(t)-42-(*)-HB60-36 | 51 $\frac{1}{4}$   | 29 $\frac{3}{8}$ | 34 $\frac{3}{16}$  |
|                                                                                     | 48           | 6           | Prefix(t)-06-(*)-HB60-48 | 46 $\frac{1}{16}$  | 26 $\frac{5}{8}$ | 30 $\frac{11}{16}$ |
|                                                                                     | 48           | 9           | Prefix(t)-09-(*)-HB60-48 | 47 $\frac{3}{8}$   | 27 $\frac{3}{8}$ | 31 $\frac{1}{16}$  |
|                                                                                     | 48           | 12          | Prefix(t)-12-(*)-HB60-48 | 48 $\frac{11}{16}$ | 28 $\frac{1}{8}$ | 32 $\frac{7}{16}$  |
|                                                                                     | 48           | 18          | Prefix(t)-18-(*)-HB60-48 | 51 $\frac{1}{16}$  | 29 $\frac{3}{8}$ | 34 $\frac{3}{16}$  |
|                                                                                     | 48           | 24          | Prefix(t)-24-(*)-HB60-48 | 53 $\frac{7}{8}$   | 31 $\frac{1}{8}$ | 35 $\frac{15}{16}$ |
|                                                                                     | 48           | 30          | Prefix(t)-30-(*)-HB60-48 | 56 $\frac{7}{16}$  | 32 $\frac{5}{8}$ | 37 $\frac{7}{8}$   |
|                                                                                     | 48           | 36          | Prefix(t)-36-(*)-HB60-48 | 59 $\frac{1}{16}$  | 34 $\frac{1}{8}$ | 39 $\frac{3}{8}$   |
|                                                                                     | 48           | 42          | Prefix(t)-42-(*)-HB60-48 | 61 $\frac{11}{16}$ | 35 $\frac{5}{8}$ | 41 $\frac{1}{8}$   |

(t) Insert side rail height (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

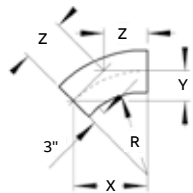
## Selection guide

- Prefix: SPF (pregalv.), SHF (hot-dip), SSF (stainless steel)
- Inside tray widths: 06, 09, 12, 18, 24, 30, 36, 42 in.
- Angle: 90°, 60°
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 3, 4, 5, 6, 7 in.

## Steel fittings

### 45°/30° Horizontal bend fittings

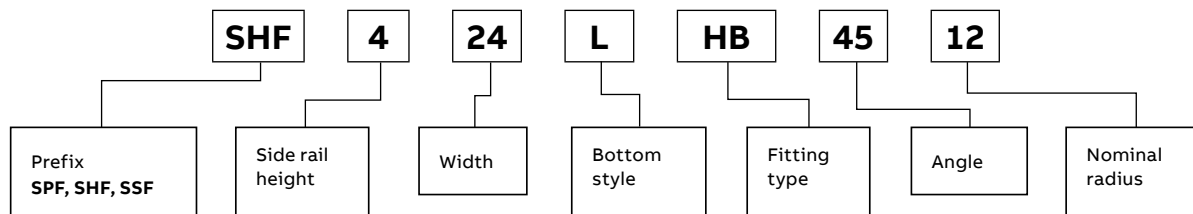
#### 45° Horizontal bend



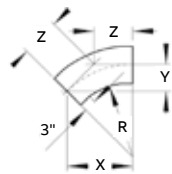
| Nominal      |             |                          | Dimensions (in.)                 |                                  |                                  |
|--------------|-------------|--------------------------|----------------------------------|----------------------------------|----------------------------------|
| Radius (in.) | Width (in.) | Cat. no.                 | X                                | Y                                | Z                                |
| 12           | 6           | Prefix(t)-06-(*)-HB45-12 | 13 <sup>5</sup> / <sub>16</sub>  | 5 <sup>5</sup> / <sub>16</sub>   | 8                                |
| 12           | 9           | Prefix(t)-09-(*)-HB45-12 | 14 <sup>11</sup> / <sub>16</sub> | 6 <sup>1</sup> / <sub>16</sub>   | 8 <sup>9</sup> / <sub>16</sub>   |
| 12           | 12          | Prefix(t)-12-(*)-HB45-12 | 15 <sup>3</sup> / <sub>4</sub>   | 6 <sup>1</sup> / <sub>2</sub>    | 9 <sup>3</sup> / <sub>16</sub>   |
| 12           | 18          | Prefix(t)-18-(*)-HB45-12 | 17 <sup>7</sup> / <sub>8</sub>   | 7 <sup>3</sup> / <sub>8</sub>    | 10 <sup>7</sup> / <sub>16</sub>  |
| 12           | 24          | Prefix(t)-24-(*)-HB45-12 | 20                               | 8 <sup>3</sup> / <sub>4</sub>    | 11 <sup>11</sup> / <sub>16</sub> |
| 12           | 30          | Prefix(t)-30-(*)-HB45-12 | 22 <sup>1</sup> / <sub>16</sub>  | 9 <sup>3</sup> / <sub>8</sub>    | 12 <sup>15</sup> / <sub>16</sub> |
| 12           | 36          | Prefix(t)-36-(*)-HB45-12 | 24 <sup>3</sup> / <sub>16</sub>  | 10                               | 14 <sup>3</sup> / <sub>16</sub>  |
| 12           | 42          | Prefix(t)-42-(*)-HB45-12 | 26 <sup>5</sup> / <sub>16</sub>  | 10 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub>  |
| 24           | 6           | Prefix(t)-06-(*)-HB45-24 | 22 <sup>1</sup> / <sub>16</sub>  | 9 <sup>3</sup> / <sub>8</sub>    | 12 <sup>15</sup> / <sub>16</sub> |
| 24           | 9           | Prefix(t)-09-(*)-HB45-24 | 23 <sup>3</sup> / <sub>8</sub>   | 9 <sup>9</sup> / <sub>16</sub>   | 13 <sup>3</sup> / <sub>16</sub>  |
| 24           | 12          | Prefix(t)-12-(*)-HB45-24 | 24 <sup>3</sup> / <sub>16</sub>  | 10                               | 14 <sup>3</sup> / <sub>16</sub>  |
| 24           | 18          | Prefix(t)-18-(*)-HB45-24 | 26 <sup>5</sup> / <sub>16</sub>  | 10 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub>  |
| 24           | 24          | Prefix(t)-24-(*)-HB45-24 | 28 <sup>7</sup> / <sub>16</sub>  | 11 <sup>13</sup> / <sub>16</sub> | 16 <sup>11</sup> / <sub>16</sub> |
| 24           | 30          | Prefix(t)-30-(*)-HB45-24 | 30 <sup>9</sup> / <sub>16</sub>  | 12 <sup>11</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> |
| 24           | 36          | Prefix(t)-36-(*)-HB45-24 | 32 <sup>11</sup> / <sub>16</sub> | 13 <sup>9</sup> / <sub>16</sub>  | 19 <sup>1</sup> / <sub>8</sub>   |
| 24           | 42          | Prefix(t)-42-(*)-HB45-24 | 34 <sup>13</sup> / <sub>16</sub> | 14 <sup>7</sup> / <sub>8</sub>   | 20 <sup>3</sup> / <sub>8</sub>   |
| 36           | 6           | Prefix(t)-06-(*)-HB45-36 | 30 <sup>9</sup> / <sub>16</sub>  | 12 <sup>11</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> |
| 36           | 9           | Prefix(t)-09-(*)-HB45-36 | 31 <sup>5</sup> / <sub>8</sub>   | 13 <sup>3</sup> / <sub>8</sub>   | 18 <sup>9</sup> / <sub>16</sub>  |
| 36           | 12          | Prefix(t)-12-(*)-HB45-36 | 32 <sup>11</sup> / <sub>16</sub> | 13 <sup>9</sup> / <sub>16</sub>  | 19 <sup>1</sup> / <sub>8</sub>   |
| 36           | 18          | Prefix(t)-18-(*)-HB45-36 | 34 <sup>13</sup> / <sub>16</sub> | 14 <sup>7</sup> / <sub>16</sub>  | 20 <sup>3</sup> / <sub>8</sub>   |
| 36           | 24          | Prefix(t)-24-(*)-HB45-36 | 36 <sup>15</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub>  | 21 <sup>1</sup> / <sub>8</sub>   |
| 36           | 30          | Prefix(t)-30-(*)-HB45-36 | 39 <sup>1</sup> / <sub>16</sub>  | 16 <sup>3</sup> / <sub>16</sub>  | 22 <sup>7</sup> / <sub>8</sub>   |
| 36           | 36          | Prefix(t)-36-(*)-HB45-36 | 41 <sup>3</sup> / <sub>16</sub>  | 17 <sup>1</sup> / <sub>16</sub>  | 24 <sup>1</sup> / <sub>8</sub>   |
| 36           | 42          | Prefix(t)-42-(*)-HB45-36 | 43 <sup>5</sup> / <sub>16</sub>  | 17 <sup>15</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>8</sub>   |
| 48           | 6           | Prefix(t)-06-(*)-HB45-48 | 39 <sup>1</sup> / <sub>16</sub>  | 16 <sup>3</sup> / <sub>16</sub>  | 22 <sup>7</sup> / <sub>8</sub>   |
| 48           | 9           | Prefix(t)-09-(*)-HB45-48 | 40 <sup>5</sup> / <sub>8</sub>   | 16 <sup>3</sup> / <sub>8</sub>   | 23 <sup>1</sup> / <sub>2</sub>   |
| 48           | 12          | Prefix(t)-12-(*)-HB45-48 | 41 <sup>3</sup> / <sub>16</sub>  | 17 <sup>1</sup> / <sub>16</sub>  | 24 <sup>1</sup> / <sub>8</sub>   |
| 48           | 18          | Prefix(t)-18-(*)-HB45-48 | 43 <sup>5</sup> / <sub>16</sub>  | 17 <sup>15</sup> / <sub>16</sub> | 25 <sup>3</sup> / <sub>8</sub>   |
| 48           | 24          | Prefix(t)-24-(*)-HB45-48 | 45 <sup>7</sup> / <sub>16</sub>  | 18 <sup>13</sup> / <sub>16</sub> | 26 <sup>5</sup> / <sub>8</sub>   |
| 48           | 30          | Prefix(t)-30-(*)-HB45-48 | 47 <sup>9</sup> / <sub>16</sub>  | 19 <sup>11</sup> / <sub>16</sub> | 27 <sup>7</sup> / <sub>8</sub>   |
| 48           | 36          | Prefix(t)-36-(*)-HB45-48 | 49 <sup>11</sup> / <sub>16</sub> | 20 <sup>9</sup> / <sub>16</sub>  | 29 <sup>1</sup> / <sub>8</sub>   |
| 48           | 42          | Prefix(t)-42-(*)-HB45-48 | 51 <sup>13</sup> / <sub>16</sub> | 21 <sup>7</sup> / <sub>16</sub>  | 30 <sup>3</sup> / <sub>16</sub>  |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

#### Part numbering system



### 30° Horizontal bend



| Nominal      |             |                          | Dimensions (in.)               |                                 |                                  |
|--------------|-------------|--------------------------|--------------------------------|---------------------------------|----------------------------------|
| Radius (in.) | Width (in.) | Cat. no.                 | X                              | Y                               | Z                                |
| 12           | 6           | Prefix(t)-06-(*)-HB30-12 | 11 <sup>5</sup> / <sub>8</sub> | 3 <sup>5</sup> / <sub>8</sub>   | 6 <sup>3</sup> / <sub>16</sub>   |
| 12           | 9           | Prefix(t)-09-(*)-HB30-12 | 12 <sup>3</sup> / <sub>8</sub> | 3 <sup>5</sup> / <sub>16</sub>  | 6 <sup>5</sup> / <sub>8</sub>    |
| 12           | 12          | Prefix(t)-12-(*)-HB30-12 | 13 <sup>1</sup> / <sub>2</sub> | 3 <sup>1</sup> / <sub>2</sub>   | 7                                |
| 12           | 18          | Prefix(t)-18-(*)-HB30-12 | 14 <sup>5</sup> / <sub>8</sub> | 3 <sup>15</sup> / <sub>16</sub> | 7 <sup>13</sup> / <sub>16</sub>  |
| 12           | 24          | Prefix(t)-24-(*)-HB30-12 | 16 <sup>1</sup> / <sub>8</sub> | 4 <sup>5</sup> / <sub>16</sub>  | 8 <sup>5</sup> / <sub>8</sub>    |
| 12           | 30          | Prefix(t)-30-(*)-HB30-12 | 17 <sup>7</sup> / <sub>8</sub> | 4 <sup>11</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>16</sub>   |
| 12           | 36          | Prefix(t)-36-(*)-HB30-12 | 19 <sup>1</sup> / <sub>8</sub> | 5 <sup>5</sup> / <sub>8</sub>   | 10 <sup>3</sup> / <sub>4</sub>   |
| 12           | 42          | Prefix(t)-42-(*)-HB30-12 | 20 <sup>5</sup> / <sub>8</sub> | 5 <sup>1</sup> / <sub>2</sub>   | 11 <sup>1</sup> / <sub>16</sub>  |
| 24           | 6           | Prefix(t)-06-(*)-HB30-24 | 17 <sup>7</sup> / <sub>8</sub> | 4 <sup>11</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>16</sub>   |
| 24           | 9           | Prefix(t)-09-(*)-HB30-24 | 18 <sup>3</sup> / <sub>8</sub> | 4 <sup>15</sup> / <sub>16</sub> | 9 <sup>13</sup> / <sub>16</sub>  |
| 24           | 12          | Prefix(t)-12-(*)-HB30-24 | 19 <sup>1</sup> / <sub>8</sub> | 5 <sup>5</sup> / <sub>16</sub>  | 10 <sup>4</sup> / <sub>16</sub>  |
| 24           | 18          | Prefix(t)-18-(*)-HB30-24 | 20 <sup>5</sup> / <sub>8</sub> | 5 <sup>5</sup> / <sub>16</sub>  | 11 <sup>1</sup> / <sub>16</sub>  |
| 24           | 24          | Prefix(t)-24-(*)-HB30-24 | 22 <sup>1</sup> / <sub>8</sub> | 5 <sup>15</sup> / <sub>16</sub> | 11 <sup>13</sup> / <sub>16</sub> |
| 24           | 30          | Prefix(t)-30-(*)-HB30-24 | 23 <sup>3</sup> / <sub>8</sub> | 6 <sup>5</sup> / <sub>16</sub>  | 12 <sup>10</sup> / <sub>16</sub> |
| 24           | 36          | Prefix(t)-36-(*)-HB30-24 | 25 <sup>1</sup> / <sub>8</sub> | 6 <sup>15</sup> / <sub>16</sub> | 13 <sup>7</sup> / <sub>16</sub>  |
| 24           | 42          | Prefix(t)-42-(*)-HB30-24 | 26 <sup>5</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>8</sub>   | 14 <sup>1</sup> / <sub>4</sub>   |
| 36           | 6           | Prefix(t)-06-(*)-HB30-36 | 23 <sup>3</sup> / <sub>8</sub> | 6 <sup>5</sup> / <sub>16</sub>  | 12 <sup>5</sup> / <sub>8</sub>   |
| 36           | 9           | Prefix(t)-09-(*)-HB30-36 | 24 <sup>3</sup> / <sub>8</sub> | 6 <sup>1</sup> / <sub>2</sub>   | 13 <sup>3</sup> / <sub>16</sub>  |
| 36           | 12          | Prefix(t)-12-(*)-HB30-36 | 25 <sup>1</sup> / <sub>8</sub> | 6 <sup>3</sup> / <sub>4</sub>   | 13 <sup>7</sup> / <sub>16</sub>  |
| 36           | 18          | Prefix(t)-18-(*)-HB30-36 | 26 <sup>5</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>4</sub>   | 14 <sup>1</sup> / <sub>4</sub>   |
| 36           | 24          | Prefix(t)-24-(*)-HB30-36 | 28 <sup>1</sup> / <sub>8</sub> | 7 <sup>1</sup> / <sub>2</sub>   | 15 <sup>1</sup> / <sub>16</sub>  |
| 36           | 30          | Prefix(t)-30-(*)-HB30-36 | 29 <sup>5</sup> / <sub>8</sub> | 7 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>8</sub>   |
| 36           | 36          | Prefix(t)-36-(*)-HB30-36 | 31 <sup>1</sup> / <sub>8</sub> | 8 <sup>5</sup> / <sub>16</sub>  | 16 <sup>11</sup> / <sub>16</sub> |
| 36           | 42          | Prefix(t)-42-(*)-HB30-36 | 32 <sup>5</sup> / <sub>8</sub> | 8 <sup>3</sup> / <sub>4</sub>   | 17 <sup>1</sup> / <sub>2</sub>   |
| 48           | 6           | Prefix(t)-06-(*)-HB30-48 | 29 <sup>5</sup> / <sub>8</sub> | 7 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>8</sub>   |
| 48           | 9           | Prefix(t)-09-(*)-HB30-48 | 30 <sup>3</sup> / <sub>8</sub> | 8 <sup>5</sup> / <sub>8</sub>   | 16 <sup>1</sup> / <sub>4</sub>   |
| 48           | 12          | Prefix(t)-12-(*)-HB30-48 | 31 <sup>1</sup> / <sub>8</sub> | 8 <sup>5</sup> / <sub>16</sub>  | 16 <sup>11</sup> / <sub>16</sub> |
| 48           | 18          | Prefix(t)-18-(*)-HB30-48 | 32 <sup>5</sup> / <sub>8</sub> | 8 <sup>3</sup> / <sub>4</sub>   | 17 <sup>1</sup> / <sub>2</sub>   |
| 48           | 24          | Prefix(t)-24-(*)-HB30-48 | 34 <sup>1</sup> / <sub>8</sub> | 9 <sup>1</sup> / <sub>8</sub>   | 18 <sup>1</sup> / <sub>4</sub>   |
| 48           | 30          | Prefix(t)-30-(*)-HB30-48 | 35 <sup>5</sup> / <sub>8</sub> | 9 <sup>15</sup> / <sub>16</sub> | 19 <sup>3</sup> / <sub>16</sub>  |
| 48           | 36          | Prefix(t)-36-(*)-HB30-48 | 37 <sup>1</sup> / <sub>8</sub> | 9 <sup>15</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub>   |
| 48           | 42          | Prefix(t)-42-(*)-HB30-48 | 38 <sup>5</sup> / <sub>8</sub> | 10 <sup>5</sup> / <sub>16</sub> | 20 <sup>11</sup> / <sub>16</sub> |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

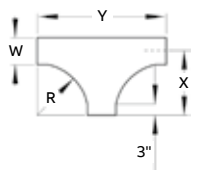
### Selection guide

- Prefix: SPF (pregalv.), SHF (hot-dip), SSF (stainless steel)
- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 45°, 30°
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 3 in., 4 in., 5 in., 6 in., 7 in.

## Steel fittings

### Horizontal tee and cross fittings

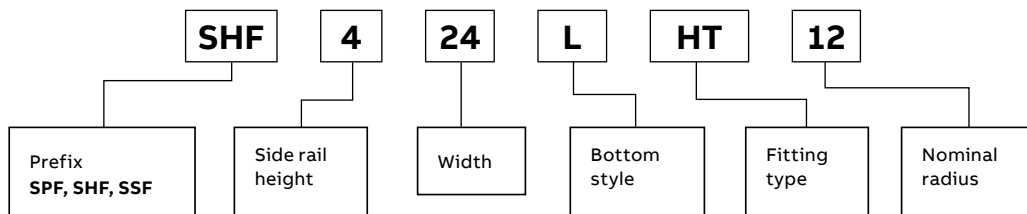
#### Horizontal tee

|                                                                                     | Nominal      |             | Cat. no.              | Dimensions (in.) |     |
|-------------------------------------------------------------------------------------|--------------|-------------|-----------------------|------------------|-----|
|                                                                                     | Radius (in.) | Width (in.) |                       | X                | Y   |
|    | 12           | 6           | Prefix(t)-06-(*)-HT12 | 15               | 30  |
|                                                                                     | 12           | 9           | Prefix(t)-09-(*)-HT12 | 16½              | 33  |
|                                                                                     | 12           | 12          | Prefix(t)-12-(*)-HT12 | 18               | 36  |
|                                                                                     | 12           | 18          | Prefix(t)-18-(*)-HT12 | 21               | 42  |
|                                                                                     | 12           | 24          | Prefix(t)-24-(*)-HT12 | 24               | 48  |
|                                                                                     | 12           | 30          | Prefix(t)-30-(*)-HT12 | 27               | 54  |
|                                                                                     | 12           | 36          | Prefix(t)-36-(*)-HT12 | 30               | 60  |
|                                                                                     | 12           | 42          | Prefix(t)-42-(*)-HT12 | 33               | 66  |
|                                                                                     | 24           | 6           | Prefix(t)-06-(*)-HT24 | 27               | 54  |
|                                                                                     | 24           | 9           | Prefix(t)-09-(*)-HT24 | 28½              | 57  |
|                                                                                     | 24           | 12          | Prefix(t)-12-(*)-HT24 | 30               | 60  |
|                                                                                     | 24           | 18          | Prefix(t)-18-(*)-HT24 | 33               | 66  |
|                                                                                     | 24           | 24          | Prefix(t)-24-(*)-HT24 | 36               | 72  |
|                                                                                     | 24           | 30          | Prefix(t)-30-(*)-HT24 | 39               | 78  |
|                                                                                     | 24           | 36          | Prefix(t)-36-(*)-HT24 | 42               | 84  |
|                                                                                     | 24           | 42          | Prefix(t)-42-(*)-HT24 | 45               | 90  |
|  | 36           | 6           | Prefix(t)-06-(*)-HT36 | 39               | 78  |
|                                                                                     | 36           | 9           | Prefix(t)-09-(*)-HT36 | 40½              | 81  |
|                                                                                     | 36           | 12          | Prefix(t)-12-(*)-HT36 | 42               | 84  |
|                                                                                     | 36           | 18          | Prefix(t)-18-(*)-HT36 | 45               | 90  |
|                                                                                     | 36           | 24          | Prefix(t)-24-(*)-HT36 | 48               | 96  |
|                                                                                     | 36           | 30          | Prefix(t)-30-(*)-HT36 | 51               | 102 |
|                                                                                     | 36           | 36          | Prefix(t)-36-(*)-HT36 | 54               | 108 |
|                                                                                     | 36           | 42          | Prefix(t)-42-(*)-HT36 | 57               | 114 |
|                                                                                     | 48           | 6           | Prefix(t)-06-(*)-HT48 | 51               | 102 |
|                                                                                     | 48           | 9           | Prefix(t)-09-(*)-HT48 | 52½              | 105 |
|                                                                                     | 48           | 12          | Prefix(t)-12-(*)-HT48 | 54               | 108 |
|                                                                                     | 48           | 18          | Prefix(t)-18-(*)-HT48 | 57               | 114 |
|                                                                                     | 48           | 24          | Prefix(t)-24-(*)-HT48 | 60               | 120 |
|                                                                                     | 48           | 30          | Prefix(t)-30-(*)-HT48 | 63               | 126 |
|                                                                                     | 48           | 36          | Prefix(t)-36-(*)-HT48 | 66               | 132 |
|                                                                                     | 48           | 42          | Prefix(t)-42-(*)-HT48 | 69               | 138 |

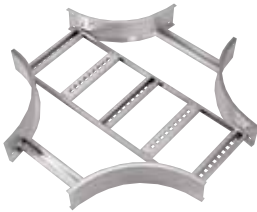
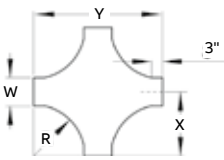
(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Tees include 2 pairs / crosses include 3 pairs of splice plates with hardware.

¥ Shipped with SPW-3/8HXHWK hardware kit.

#### Part numbering system



## Horizontal cross

|                                                                                     | Nominal      |                 | Cat. no.              | Dimensions (in.) |     |
|-------------------------------------------------------------------------------------|--------------|-----------------|-----------------------|------------------|-----|
|                                                                                     | Radius (in.) | Width (in.)     |                       | X                | Y   |
|    | 12           | 6               | Prefix(t)-06-(*)-HX12 | 15               | 30  |
|                                                                                     | 12           | 9               | Prefix(t)-09-(*)-HX12 | 16½              | 33  |
|                                                                                     | 12           | 12              | Prefix(t)-12-(*)-HX12 | 18               | 36  |
|                                                                                     | 12           | 18              | Prefix(t)-18-(*)-HX12 | 21               | 42  |
|                                                                                     | 12           | 24              | Prefix(t)-24-(*)-HX12 | 24               | 48  |
|                                                                                     | 12           | 30              | Prefix(t)-30-(*)-HX12 | 27               | 54  |
|                                                                                     | 12           | 36              | Prefix(t)-36-(*)-HX12 | 30               | 60  |
|                                                                                     | 12           | 42              | Prefix(t)-42-(*)-HX12 | 33               | 66  |
|                                                                                     | 24           | 6               | Prefix(t)-06-(*)-HX24 | 27               | 54  |
|                                                                                     | 24           | 9               | Prefix(t)-09-(*)-HX24 | 28½              | 57  |
|  | 24           | 12              | Prefix(t)-12-(*)-HX24 | 30               | 60  |
|                                                                                     | 24           | 18              | Prefix(t)-18-(*)-HX24 | 33               | 66  |
|                                                                                     | 24           | 24              | Prefix(t)-24-(*)-HX24 | 36               | 72  |
|                                                                                     | 24           | 30              | Prefix(t)-30-(*)-HX24 | 39               | 78  |
|                                                                                     | 24           | 36              | Prefix(t)-36-(*)-HX24 | 42               | 84  |
|                                                                                     | 24           | 42              | Prefix(t)-42-(*)-HX24 | 45               | 90  |
|                                                                                     | 36           | 6               | Prefix(t)-06-(*)-HX36 | 39               | 78  |
|                                                                                     | 36           | 9               | Prefix(t)-09-(*)-HX36 | 40½              | 81  |
|                                                                                     | 36           | 12              | Prefix(t)-12-(*)-HX36 | 42               | 84  |
|                                                                                     | 36           | 18              | Prefix(t)-18-(*)-HX36 | 45               | 90  |
|                                                                                     | 36           | 24              | Prefix(t)-24-(*)-HX36 | 48               | 96  |
|                                                                                     | 36           | 30 <sup>¥</sup> | Prefix(t)-30-(*)-HX36 | 51               | 102 |
|                                                                                     | 36           | 36 <sup>¥</sup> | Prefix(t)-36-(*)-HX36 | 54               | 108 |
|                                                                                     | 36           | 42 <sup>¥</sup> | Prefix(t)-42-(*)-HX36 | 57               | 114 |
|                                                                                     | 48           | 6               | Prefix(t)-06-(*)-HX48 | 51               | 102 |
|                                                                                     | 48           | 9               | Prefix(t)-09-(*)-HX48 | 52½              | 105 |
|                                                                                     | 48           | 12              | Prefix(t)-12-(*)-HX48 | 54               | 108 |
|                                                                                     | 48           | 18              | Prefix(t)-18-(*)-HX48 | 57               | 114 |
|                                                                                     | 48           | 24              | Prefix(t)-24-(*)-HX48 | 60               | 120 |
|                                                                                     | 48           | 30              | Prefix(t)-30-(*)-HX48 | 63               | 126 |
|                                                                                     | 48           | 36              | Prefix(t)-36-(*)-HX48 | 66               | 132 |
|                                                                                     | 48           | 42              | Prefix(t)-42-(*)-HX48 | 69               | 138 |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Tees include 2 pairs / crosses include 3 pairs of splice plates with hardware.

¥ Shipped with SPW-3/8HXHWK hardware kit.

## Selection guide

- Prefix: SPF (pregalv.), SHF (hot-dip), SSF (stainless steel)
- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 3 in., 4 in., 5 in., 6 in., 7 in.

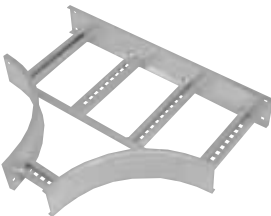
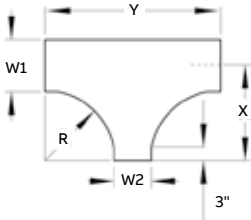
## Steel fittings

### Horizontal reducing tee fittings

#### Selection guide

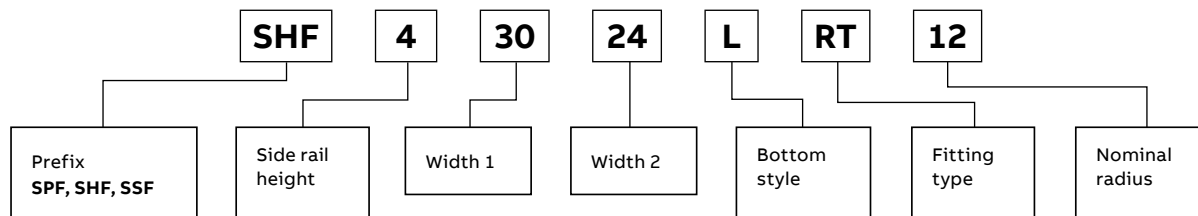
- Prefix: SPF (pregalv.), SHF (hot-dip), SSF (stainless steel)
- Tray widths W1: 42, 36, 30, 24, 18, 12, 9 in.
- Tray widths W2: 36, 30, 24, 18, 12, 9, 6 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 3 in., 4 in., 5 in., 6 in., 7 in.

#### Horizontal reducing tee

| Widths<br>(in.)                                                                     |    |                          | Dimensions (in.)            |    |                             |    |                             |    |                             |     |     |
|-------------------------------------------------------------------------------------|----|--------------------------|-----------------------------|----|-----------------------------|----|-----------------------------|----|-----------------------------|-----|-----|
|                                                                                     |    |                          | (+ 12 in.<br>Nominal radius |    | (+ 24 in.<br>Nominal radius |    | (+ 36 in.<br>Nominal radius |    | (+ 48 in.<br>Nominal radius |     |     |
| W1                                                                                  | W2 | Cat. no.                 | X                           | Y  | X                           | Y  | X                           | Y  | X                           | Y   |     |
|    | 42 | 36                       | Prefix(t)-4236-(*)-RT(+)    | 33 | 60                          | 45 | 84                          | 57 | 108                         | 69  | 132 |
|                                                                                     | 42 | 30                       | Prefix(t)-4230-(*)-RT(+)    | 33 | 54                          | 45 | 78                          | 57 | 102                         | 69  | 126 |
|                                                                                     | 42 | 24                       | Prefix(t)-4224-(*)-RT(+)    | 33 | 48                          | 45 | 72                          | 57 | 96                          | 69  | 120 |
|                                                                                     | 42 | 18                       | Prefix(t)-4218-(*)-RT(+)    | 33 | 42                          | 45 | 66                          | 57 | 90                          | 69  | 114 |
|                                                                                     | 42 | 12                       | Prefix(t)-4212-(*)-RT(+)    | 33 | 36                          | 45 | 60                          | 57 | 84                          | 69  | 108 |
|                                                                                     | 42 | 9                        | Prefix(t)-4209-(*)-RT(+)    | 33 | 33                          | 45 | 57                          | 57 | 81                          | 69  | 105 |
|                                                                                     | 42 | 6                        | Prefix(t)-4206-(*)-RT(+)    | 33 | 30                          | 45 | 54                          | 57 | 78                          | 69  | 102 |
|                                                                                     | 36 | 30                       | Prefix(t)-3630-(*)-RT(+)    | 30 | 54                          | 42 | 78                          | 54 | 102                         | 66  | 126 |
|                                                                                     | 36 | 24                       | Prefix(t)-3624-(*)-RT(+)    | 30 | 48                          | 42 | 72                          | 54 | 96                          | 66  | 120 |
|                                                                                     | 36 | 18                       | Prefix(t)-3618-(*)-RT(+)    | 30 | 42                          | 42 | 66                          | 54 | 90                          | 66  | 114 |
|                                                                                     | 36 | 12                       | Prefix(t)-3612-(*)-RT(+)    | 30 | 36                          | 42 | 60                          | 54 | 84                          | 66  | 108 |
|                                                                                     | 36 | 9                        | Prefix(t)-3609-(*)-RT(+)    | 30 | 33                          | 42 | 57                          | 54 | 81                          | 66  | 105 |
| 36                                                                                  | 6  | Prefix(t)-3606-(*)-RT(+) | 30                          | 30 | 42                          | 54 | 54                          | 78 | 66                          | 102 |     |
|  | 30 | 24                       | Prefix(t)-3024-(*)-RT(+)    | 27 | 48                          | 39 | 72                          | 51 | 96                          | 63  | 120 |
|                                                                                     | 30 | 18                       | Prefix(t)-3018-(*)-RT(+)    | 27 | 42                          | 39 | 66                          | 51 | 90                          | 63  | 114 |
|                                                                                     | 30 | 12                       | Prefix(t)-3012-(*)-RT(+)    | 27 | 36                          | 39 | 60                          | 51 | 84                          | 63  | 108 |
|                                                                                     | 30 | 9                        | Prefix(t)-3009-(*)-RT(+)    | 27 | 33                          | 39 | 57                          | 51 | 81                          | 63  | 105 |
|                                                                                     | 30 | 6                        | Prefix(t)-3006-(*)-RT(+)    | 27 | 30                          | 39 | 54                          | 51 | 78                          | 63  | 102 |
|                                                                                     | 24 | 18                       | Prefix(t)-2418-(*)-RT(+)    | 24 | 42                          | 36 | 66                          | 48 | 90                          | 60  | 114 |
|                                                                                     | 24 | 12                       | Prefix(t)-2412-(*)-RT(+)    | 24 | 36                          | 36 | 60                          | 48 | 84                          | 60  | 108 |
|                                                                                     | 24 | 9                        | Prefix(t)-2409-(*)-RT(+)    | 24 | 33                          | 36 | 57                          | 48 | 81                          | 60  | 105 |
|                                                                                     | 24 | 6                        | Prefix(t)-2406-(*)-RT(+)    | 24 | 30                          | 36 | 54                          | 48 | 78                          | 60  | 102 |
|                                                                                     | 18 | 12                       | Prefix(t)-1812-(*)-RT(+)    | 21 | 36                          | 33 | 60                          | 45 | 84                          | 57  | 108 |
|                                                                                     | 18 | 9                        | Prefix(t)-1809-(*)-RT(+)    | 21 | 33                          | 33 | 57                          | 45 | 81                          | 57  | 105 |
|                                                                                     | 18 | 6                        | Prefix(t)-1806-(*)-RT(+)    | 21 | 30                          | 33 | 54                          | 45 | 78                          | 57  | 102 |
| 12                                                                                  | 9  | Prefix(t)-1209-(*)-RT(+) | 18                          | 33 | 30                          | 57 | 42                          | 81 | 54                          | 105 |     |
| 12                                                                                  | 6  | Prefix(t)-1206-(*)-RT(+) | 18                          | 30 | 30                          | 54 | 42                          | 78 | 54                          | 102 |     |
| 9                                                                                   | 6  | Prefix(t)-0906-(*)-RT(+) | 16½                         | 30 | 28½                         | 54 | 40½                         | 78 | 52½                         | 102 |     |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. (+) Insert radius (12 in.–48 in.). Includes 2 pairs of splice plates with hardware.

#### Part numbering system



## Steel fittings

### Horizontal expanding tee fittings

#### Selection guide

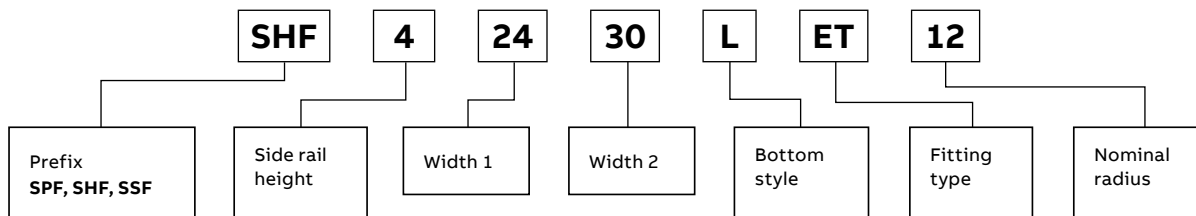
- Prefix: SPF (pregalv.), SHF (hot-dip), SSF (stainless steel)  
Tray widths W1: 36, 30, 24, 18, 12, 9, 6 in.
- Tray widths W2: 42, 36, 30, 24, 18, 12, 9 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L- ladder, V- ventilated, S- solid
- Side rail heights: 3 in., 4 in., 5 in., 6 in., 7 in.

#### Horizontal expanding tee

| Widths<br>(in.) |    |                          | Dimensions (in.)            |    |                             |    |                             |     |                             |     |
|-----------------|----|--------------------------|-----------------------------|----|-----------------------------|----|-----------------------------|-----|-----------------------------|-----|
|                 |    |                          | (+ 12 in.<br>Nominal radius |    | (+ 24 in.<br>Nominal radius |    | (+ 36 in.<br>Nominal radius |     | (+ 48 in.<br>Nominal radius |     |
| W1              | W2 | Cat. no.                 | X                           | Y  | X                           | Y  | X                           | Y   | X                           | Y   |
| 36              | 42 | Prefix(t)-3642-(*)-ET(+) | 30                          | 66 | 42                          | 90 | 54                          | 114 | 66                          | 138 |
| 30              | 36 | Prefix(t)-3036-(*)-ET(+) | 27                          | 60 | 39                          | 84 | 51                          | 108 | 63                          | 132 |
| 30              | 42 | Prefix(t)-3042-(*)-ET(+) | 27                          | 66 | 39                          | 90 | 51                          | 114 | 63                          | 138 |
| 24              | 30 | Prefix(t)-2430-(*)-ET(+) | 24                          | 54 | 36                          | 78 | 48                          | 102 | 60                          | 126 |
| 24              | 36 | Prefix(t)-2436-(*)-ET(+) | 24                          | 60 | 36                          | 84 | 48                          | 108 | 60                          | 132 |
| 24              | 42 | Prefix(t)-2442-(*)-ET(+) | 24                          | 66 | 36                          | 90 | 48                          | 114 | 60                          | 138 |
| 18              | 24 | Prefix(t)-1824-(*)-ET(+) | 21                          | 48 | 33                          | 72 | 45                          | 96  | 57                          | 120 |
| 18              | 30 | Prefix(t)-1830-(*)-ET(+) | 21                          | 54 | 33                          | 78 | 45                          | 102 | 57                          | 126 |
| 18              | 36 | Prefix(t)-1836-(*)-ET(+) | 21                          | 60 | 33                          | 84 | 45                          | 108 | 57                          | 132 |
| 18              | 42 | Prefix(t)-1842-(*)-ET(+) | 21                          | 66 | 33                          | 90 | 45                          | 114 | 57                          | 138 |
| 12              | 18 | Prefix(t)-1218-(*)-ET(+) | 18                          | 42 | 30                          | 66 | 42                          | 90  | 54                          | 114 |
| 12              | 24 | Prefix(t)-1224-(*)-ET(+) | 18                          | 48 | 30                          | 72 | 42                          | 96  | 54                          | 120 |
| 12              | 30 | Prefix(t)-1230-(*)-ET(+) | 18                          | 54 | 30                          | 78 | 42                          | 102 | 54                          | 126 |
| 12              | 36 | Prefix(t)-1236-(*)-ET(+) | 18                          | 60 | 30                          | 84 | 42                          | 108 | 54                          | 132 |
| 12              | 42 | Prefix(t)-1242-(*)-ET(+) | 18                          | 66 | 30                          | 90 | 42                          | 114 | 54                          | 138 |
| 9               | 12 | Prefix(t)-0912-(*)-ET(+) | 16½                         | 36 | 28½                         | 60 | 40½                         | 84  | 52½                         | 108 |
| 9               | 18 | Prefix(t)-0918-(*)-ET(+) | 16½                         | 42 | 28½                         | 66 | 40½                         | 90  | 52½                         | 114 |
| 9               | 24 | Prefix(t)-0924-(*)-ET(+) | 16½                         | 48 | 28½                         | 72 | 40½                         | 96  | 52½                         | 120 |
| 9               | 30 | Prefix(t)-0930-(*)-ET(+) | 16½                         | 54 | 28½                         | 78 | 40½                         | 102 | 52½                         | 126 |
| 9               | 36 | Prefix(t)-0936-(*)-ET(+) | 16½                         | 60 | 28½                         | 84 | 40½                         | 108 | 52½                         | 132 |
| 9               | 42 | Prefix(t)-0942-(*)-ET(+) | 16½                         | 66 | 28½                         | 90 | 40½                         | 114 | 52½                         | 138 |
| 6               | 9  | Prefix(t)-0609-(*)-ET(+) | 15                          | 33 | 27                          | 57 | 39                          | 81  | 51                          | 105 |
| 6               | 12 | Prefix(t)-0612-(*)-ET(+) | 15                          | 36 | 27                          | 60 | 39                          | 84  | 51                          | 108 |
| 6               | 18 | Prefix(t)-0618-(*)-ET(+) | 15                          | 42 | 27                          | 66 | 39                          | 90  | 51                          | 114 |
| 6               | 24 | Prefix(t)-0624-(*)-ET(+) | 15                          | 48 | 27                          | 72 | 39                          | 96  | 51                          | 120 |
| 6               | 30 | Prefix(t)-0630-(*)-ET(+) | 15                          | 54 | 27                          | 78 | 39                          | 102 | 51                          | 126 |
| 6               | 36 | Prefix(t)-0636-(*)-ET(+) | 15                          | 60 | 27                          | 84 | 39                          | 108 | 51                          | 132 |
| 6               | 42 | Prefix(t)-0636-(*)-ET(+) | 15                          | 66 | 27                          | 90 | 39                          | 114 | 51                          | 138 |

(t) Insert side rail height. (\*) Insert bottom style (+) Insert radius (12 in.–48 in.) to complete cat. no. Includes 2 pairs of splice plates with hardware.

#### Part numbering system



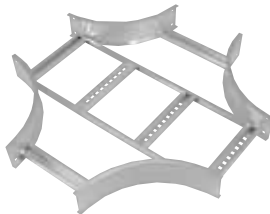
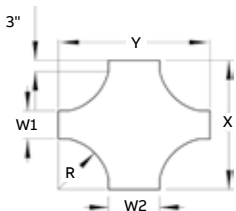
## Steel fittings

### Horizontal expanding cross fittings

#### Selection guide

- Prefix: SPF (pregalv.), SHF (hot-dip), SSF (stainless steel)
- Tray widths W1: 36, 30, 24, 18, 12, 9, 6 in.
- Tray widths W2: 42, 36, 30, 24, 18, 12, 9 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 3 in., 4 in., 5 in., 6 in., 7 in.

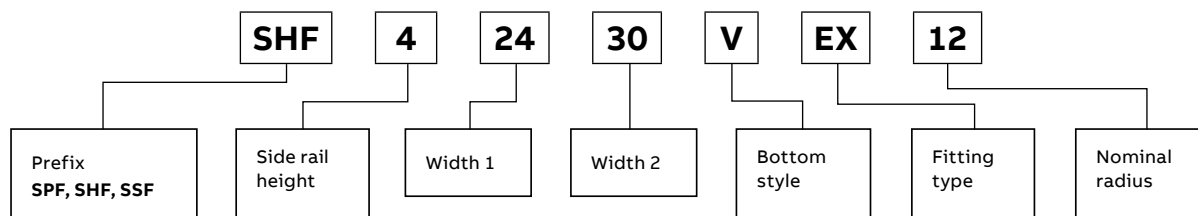
#### Horizontal expanding cross

| Widths<br>(in.) |    |                          | Dimensions (in.)            |    |                             |    |                             |     |                             |     |
|-----------------|----|--------------------------|-----------------------------|----|-----------------------------|----|-----------------------------|-----|-----------------------------|-----|
|                 |    |                          | (+ 12 in.<br>Nominal radius |    | (+ 24 in.<br>Nominal radius |    | (+ 36 in.<br>Nominal radius |     | (+ 48 in.<br>Nominal radius |     |
| W1              | W2 | Cat. no.                 | X                           | Y  | X                           | Y  | X                           | Y   | X                           | Y   |
| 36              | 42 | Prefix(t)-3642-(*)-EX(+) | 60                          | 66 | 84                          | 90 | 108                         | 114 | 132                         | 138 |
| 30              | 36 | Prefix(t)-3036-(*)-EX(+) | 54                          | 60 | 78                          | 84 | 102                         | 108 | 126                         | 132 |
| 30              | 42 | Prefix(t)-3042-(*)-EX(+) | 54                          | 66 | 78                          | 90 | 102                         | 114 | 126                         | 138 |
| 24              | 30 | Prefix(t)-2430-(*)-EX(+) | 48                          | 54 | 72                          | 78 | 96                          | 102 | 120                         | 126 |
| 24              | 36 | Prefix(t)-2436-(*)-EX(+) | 48                          | 60 | 72                          | 84 | 96                          | 108 | 120                         | 132 |
| 24              | 42 | Prefix(t)-2442-(*)-EX(+) | 48                          | 66 | 72                          | 90 | 96                          | 114 | 120                         | 138 |
| 18              | 24 | Prefix(t)-1824-(*)-EX(+) | 42                          | 48 | 66                          | 72 | 90                          | 96  | 114                         | 120 |
| 18              | 30 | Prefix(t)-1830-(*)-EX(+) | 42                          | 54 | 66                          | 78 | 90                          | 102 | 114                         | 126 |
| 18              | 36 | Prefix(t)-1836-(*)-EX(+) | 42                          | 60 | 66                          | 84 | 90                          | 108 | 114                         | 132 |
| 18              | 42 | Prefix(t)-1842-(*)-EX(+) | 42                          | 66 | 66                          | 90 | 90                          | 114 | 114                         | 138 |
| 12              | 18 | Prefix(t)-1218-(*)-EX(+) | 36                          | 42 | 60                          | 66 | 84                          | 90  | 108                         | 114 |
| 12              | 24 | Prefix(t)-1224-(*)-EX(+) | 36                          | 48 | 60                          | 72 | 84                          | 96  | 108                         | 120 |
| 12              | 30 | Prefix(t)-1230-(*)-EX(+) | 36                          | 54 | 60                          | 78 | 84                          | 102 | 108                         | 126 |
| 12              | 36 | Prefix(t)-1236-(*)-EX(+) | 36                          | 60 | 60                          | 84 | 84                          | 108 | 108                         | 132 |
| 12              | 42 | Prefix(t)-1242-(*)-EX(+) | 36                          | 66 | 60                          | 90 | 84                          | 114 | 108                         | 138 |
| 9               | 12 | Prefix(t)-0912-(*)-EX(+) | 33                          | 36 | 57                          | 60 | 81                          | 84  | 105                         | 108 |
| 9               | 18 | Prefix(t)-0918-(*)-EX(+) | 33                          | 42 | 57                          | 66 | 81                          | 90  | 105                         | 114 |
| 9               | 24 | Prefix(t)-0924-(*)-EX(+) | 33                          | 48 | 57                          | 72 | 81                          | 96  | 105                         | 120 |
| 9               | 30 | Prefix(t)-0930-(*)-EX(+) | 33                          | 54 | 57                          | 78 | 81                          | 102 | 105                         | 126 |
| 9               | 36 | Prefix(t)-0936-(*)-EX(+) | 33                          | 60 | 57                          | 84 | 81                          | 108 | 105                         | 132 |
| 9               | 42 | Prefix(t)-0942-(*)-EX(+) | 33                          | 66 | 57                          | 90 | 81                          | 114 | 105                         | 138 |
| 6               | 9  | Prefix(t)-0609-(*)-EX(+) | 30                          | 33 | 54                          | 57 | 78                          | 81  | 102                         | 105 |
| 6               | 12 | Prefix(t)-0612-(*)-EX(+) | 30                          | 36 | 54                          | 60 | 78                          | 84  | 102                         | 108 |
| 6               | 18 | Prefix(t)-0618-(*)-EX(+) | 30                          | 42 | 54                          | 66 | 78                          | 90  | 102                         | 114 |
| 6               | 24 | Prefix(t)-0624-(*)-EX(+) | 30                          | 48 | 54                          | 72 | 78                          | 96  | 102                         | 120 |
| 6               | 30 | Prefix(t)-0630-(*)-EX(+) | 30                          | 54 | 54                          | 78 | 78                          | 102 | 102                         | 126 |
| 6               | 36 | Prefix(t)-0636-(*)-EX(+) | 30                          | 60 | 54                          | 84 | 78                          | 108 | 102                         | 132 |
| 6               | 42 | Prefix(t)-0642-(*)-EX(+) | 30                          | 66 | 54                          | 90 | 78                          | 114 | 102                         | 138 |

(t) Insert side rail height. (\*) Insert bottom (+) Insert radius (12 in.–48 in.) style to complete cat. no. Includes 3 pairs of splice plates with hardware.

#### Part numbering system





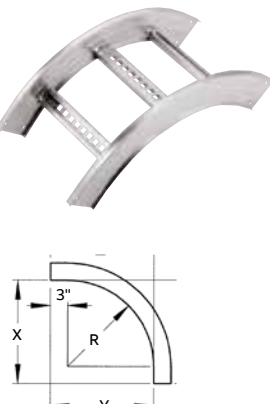
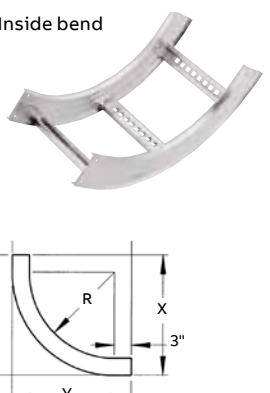
## Steel fittings

### 90° Vertical bend fittings

#### Selection guide

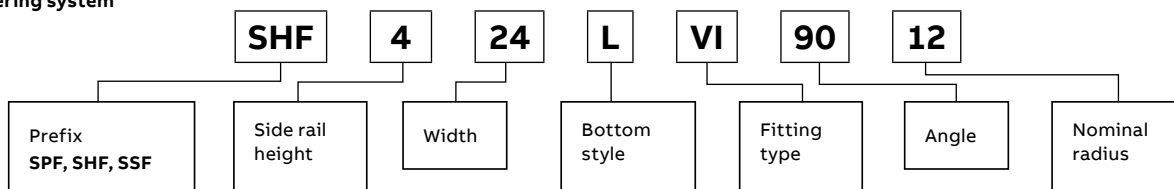
- Prefix: SPF (pregalv.), SHF (hot-dip), SSF (stainless steel)
- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 90°
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 3 in., 4 in., 5 in., 6 in., 7 in.

#### 90° Vertical bends

|                                                                                                            |    |    |                           |    |    |     |     |     |     |     |     |     |     |     |     | Dimensions (in.)  |       |          |   |                   |   |       |   |       |   |       |   |  |
|------------------------------------------------------------------------------------------------------------|----|----|---------------------------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------|-------|----------|---|-------------------|---|-------|---|-------|---|-------|---|--|
|                                                                                                            |    |    |                           |    |    |     |     |     |     |     |     |     |     |     |     | (+ ) VO side rail |       |          |   | (+ ) VI side rail |   |       |   |       |   |       |   |  |
|                                                                                                            |    |    |                           |    |    |     |     |     |     |     |     |     |     |     |     | ¾ in. – 7 in.     |       | 3½ in.   |   | 4 in.             |   | 5 in. |   | 6 in. |   | 7 in. |   |  |
|                                                                                                            |    |    |                           |    |    |     |     |     |     |     |     |     |     |     |     | X                 | Y     | X        | Y | X                 | Y | X     | Y | X     | Y | X     | Y |  |
|                                                                                                            |    |    |                           |    |    |     |     |     |     |     |     |     |     |     |     | Nominal           |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            |    |    |                           |    |    |     |     |     |     |     |     |     |     |     |     | Radius            | Width |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            |    |    |                           |    |    |     |     |     |     |     |     |     |     |     |     | (in.)             | (in.) | Cat. no. |   |                   |   |       |   |       |   |       |   |  |
| <div>Outside bend</div>  | 12 | 6  | Prefix(t)-06-(*)-(+)90-12 | 12 | 12 | 15⅞ | 15⅞ | 16⅜ | 16⅜ | 17⅜ | 17⅜ | 18⅜ | 18⅜ | 19⅜ | 19⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 12 | 9  | Prefix(t)-09-(*)-(+)90-12 | 12 | 12 | 15⅞ | 15⅞ | 16⅜ | 16⅜ | 17⅜ | 17⅜ | 18⅜ | 18⅜ | 19⅜ | 19⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 12 | 12 | Prefix(t)-12-(*)-(+)90-12 | 12 | 12 | 15⅞ | 15⅞ | 16⅜ | 16⅜ | 17⅜ | 17⅜ | 18⅜ | 18⅜ | 19⅜ | 19⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 12 | 18 | Prefix(t)-18-(*)-(+)90-12 | 12 | 12 | 15⅞ | 15⅞ | 16⅜ | 16⅜ | 17⅜ | 17⅜ | 18⅜ | 18⅜ | 19⅜ | 19⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 12 | 24 | Prefix(t)-24-(*)-(+)90-12 | 12 | 12 | 15⅞ | 15⅞ | 16⅜ | 16⅜ | 17⅜ | 17⅜ | 18⅜ | 18⅜ | 19⅜ | 19⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 12 | 30 | Prefix(t)-30-(*)-(+)90-12 | 12 | 12 | 15⅞ | 15⅞ | 16⅜ | 16⅜ | 17⅜ | 17⅜ | 18⅜ | 18⅜ | 19⅜ | 19⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 12 | 36 | Prefix(t)-36-(*)-(+)90-12 | 12 | 12 | 15⅞ | 15⅞ | 16⅜ | 16⅜ | 17⅜ | 17⅜ | 18⅜ | 18⅜ | 19⅜ | 19⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 12 | 42 | Prefix(t)-42-(*)-(+)90-12 | 12 | 12 | 15⅞ | 15⅞ | 16⅜ | 16⅜ | 17⅜ | 17⅜ | 18⅜ | 18⅜ | 19⅜ | 19⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 24 | 6  | Prefix(t)-06-(*)-(+)90-24 | 24 | 24 | 27⅞ | 27⅞ | 28⅜ | 28⅜ | 29⅜ | 29⅜ | 30⅜ | 30⅜ | 31⅜ | 31⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 24 | 9  | Prefix(t)-09-(*)-(+)90-24 | 24 | 24 | 27⅞ | 27⅞ | 28⅜ | 28⅜ | 29⅜ | 29⅜ | 30⅜ | 30⅜ | 31⅜ | 31⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 24 | 12 | Prefix(t)-12-(*)-(+)90-24 | 24 | 24 | 27⅞ | 27⅞ | 28⅜ | 28⅜ | 29⅜ | 29⅜ | 30⅜ | 30⅜ | 31⅜ | 31⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 24 | 18 | Prefix(t)-18-(*)-(+)90-24 | 24 | 24 | 27⅞ | 27⅞ | 28⅜ | 28⅜ | 29⅜ | 29⅜ | 30⅜ | 30⅜ | 31⅜ | 31⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 24 | 24 | Prefix(t)-24-(*)-(+)90-24 | 24 | 24 | 27⅞ | 27⅞ | 28⅜ | 28⅜ | 29⅜ | 29⅜ | 30⅜ | 30⅜ | 31⅜ | 31⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 24 | 30 | Prefix(t)-30-(*)-(+)90-24 | 24 | 24 | 27⅞ | 27⅞ | 28⅜ | 28⅜ | 29⅜ | 29⅜ | 30⅜ | 30⅜ | 31⅜ | 31⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 24 | 36 | Prefix(t)-36-(*)-(+)90-24 | 24 | 24 | 27⅞ | 27⅞ | 28⅜ | 28⅜ | 29⅜ | 29⅜ | 30⅜ | 30⅜ | 31⅜ | 31⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 24 | 42 | Prefix(t)-42-(*)-(+)90-24 | 24 | 24 | 27⅞ | 27⅞ | 28⅜ | 28⅜ | 29⅜ | 29⅜ | 30⅜ | 30⅜ | 31⅜ | 31⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
| <div>Inside bend</div>  | 36 | 6  | Prefix(t)-06-(*)-(+)90-36 | 36 | 36 | 39⅞ | 39⅞ | 40⅜ | 40⅜ | 41⅜ | 41⅜ | 42⅜ | 42⅜ | 43⅜ | 43⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 36 | 9  | Prefix(t)-09-(*)-(+)90-36 | 36 | 36 | 39⅞ | 39⅞ | 40⅜ | 40⅜ | 41⅜ | 41⅜ | 42⅜ | 42⅜ | 43⅜ | 43⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 36 | 12 | Prefix(t)-12-(*)-(+)90-36 | 36 | 36 | 39⅞ | 39⅞ | 40⅜ | 40⅜ | 41⅜ | 41⅜ | 42⅜ | 42⅜ | 43⅜ | 43⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 36 | 18 | Prefix(t)-18-(*)-(+)90-36 | 36 | 36 | 39⅞ | 39⅞ | 40⅜ | 40⅜ | 41⅜ | 41⅜ | 42⅜ | 42⅜ | 43⅜ | 43⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 36 | 24 | Prefix(t)-24-(*)-(+)90-36 | 36 | 36 | 39⅞ | 39⅞ | 40⅜ | 40⅜ | 41⅜ | 41⅜ | 42⅜ | 42⅜ | 43⅜ | 43⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 36 | 30 | Prefix(t)-30-(*)-(+)90-36 | 36 | 36 | 39⅞ | 39⅞ | 40⅜ | 40⅜ | 41⅜ | 41⅜ | 42⅜ | 42⅜ | 43⅜ | 43⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 36 | 36 | Prefix(t)-36-(*)-(+)90-36 | 36 | 36 | 39⅞ | 39⅞ | 40⅜ | 40⅜ | 41⅜ | 41⅜ | 42⅜ | 42⅜ | 43⅜ | 43⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 36 | 42 | Prefix(t)-42-(*)-(+)90-36 | 36 | 36 | 39⅞ | 39⅞ | 40⅜ | 40⅜ | 41⅜ | 41⅜ | 42⅜ | 42⅜ | 43⅜ | 43⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 48 | 6  | Prefix(t)-06-(*)-(+)90-48 | 48 | 48 | 51⅞ | 51⅞ | 52⅜ | 52⅜ | 53⅜ | 53⅜ | 54⅜ | 54⅜ | 55⅜ | 55⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 48 | 9  | Prefix(t)-09-(*)-(+)90-48 | 48 | 48 | 51⅞ | 51⅞ | 52⅜ | 52⅜ | 53⅜ | 53⅜ | 54⅜ | 54⅜ | 55⅜ | 55⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 48 | 12 | Prefix(t)-12-(*)-(+)90-48 | 48 | 48 | 51⅞ | 51⅞ | 52⅜ | 52⅜ | 53⅜ | 53⅜ | 54⅜ | 54⅜ | 55⅜ | 55⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 48 | 18 | Prefix(t)-18-(*)-(+)90-48 | 48 | 48 | 51⅞ | 51⅞ | 52⅜ | 52⅜ | 53⅜ | 53⅜ | 54⅜ | 54⅜ | 55⅜ | 55⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 48 | 24 | Prefix(t)-24-(*)-(+)90-48 | 48 | 48 | 51⅞ | 51⅞ | 52⅜ | 52⅜ | 53⅜ | 53⅜ | 54⅜ | 54⅜ | 55⅜ | 55⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 48 | 30 | Prefix(t)-30-(*)-(+)90-48 | 48 | 48 | 51⅞ | 51⅞ | 52⅜ | 52⅜ | 53⅜ | 53⅜ | 54⅜ | 54⅜ | 55⅜ | 55⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 48 | 36 | Prefix(t)-36-(*)-(+)90-48 | 48 | 48 | 51⅞ | 51⅞ | 52⅜ | 52⅜ | 53⅜ | 53⅜ | 54⅜ | 54⅜ | 55⅜ | 55⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |
|                                                                                                            | 48 | 42 | Prefix(t)-42-(*)-(+)90-48 | 48 | 48 | 51⅞ | 51⅞ | 52⅜ | 52⅜ | 53⅜ | 53⅜ | 54⅜ | 54⅜ | 55⅜ | 55⅜ |                   |       |          |   |                   |   |       |   |       |   |       |   |  |

(t) Insert side rail height. (\*) Insert bottom (+) Insert "VO" for vertical outside or "VI" for vertical inside style to complete cat. no. Includes 1 pair of splice plates with hardware.

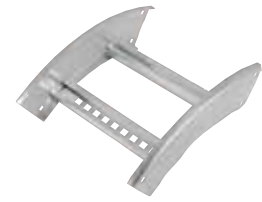
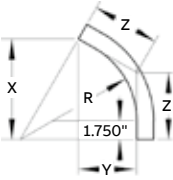
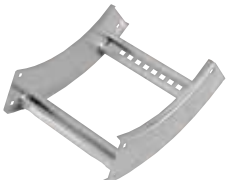
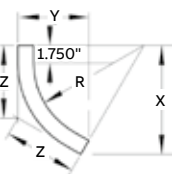
#### Part numbering system



Steel fittings

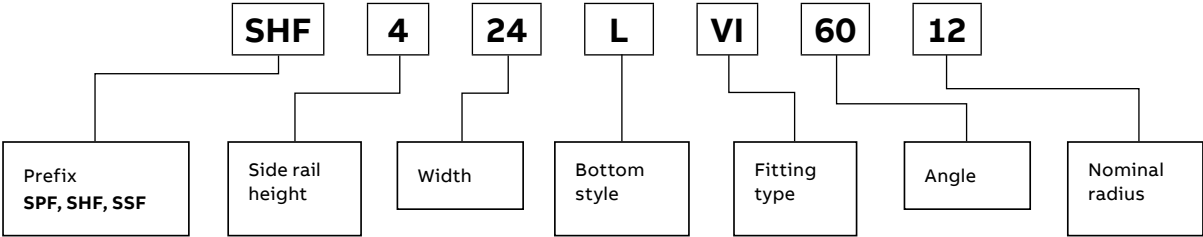
60° Vertical bend fittings

60° Vertical bends

|                                                                                                                                                                                                |                 |                |                           | Dimensions (in.)  |    |          |                   |        |          |          |         |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|---------------------------|-------------------|----|----------|-------------------|--------|----------|----------|---------|---------|
|                                                                                                                                                                                                |                 |                |                           | (+ ) VO side rail |    |          | (+ ) VI side rail |        |          |          |         |         |
|                                                                                                                                                                                                |                 |                |                           | 3 7⁄8 in. – 7 in. |    |          | 3 1⁄2 in.         |        |          | 4 in.    |         |         |
|                                                                                                                                                                                                | Radius<br>(in.) | Width<br>(in.) | Cat. no.                  | X                 | Y  | Z        | X                 | Y      | Z        | X        | Y       | Z       |
| <div>Outside bend</div>     | 12              | 6              | Prefix(t)-06-(*)-(+)60-12 | 10 3⁄8            | 6  | 6 15⁄16  | 13 1⁄2            | 9 5⁄8  | 9        | 14       | 10 3⁄16 | 9 3⁄8   |
|                                                                                                                                                                                                | 12              | 9              | Prefix(t)-09-(*)-(+)60-12 | 10 3⁄8            | 6  | 6 15⁄16  | 13 1⁄2            | 9 5⁄8  | 9        | 14       | 10 3⁄16 | 9 3⁄8   |
|                                                                                                                                                                                                | 12              | 12             | Prefix(t)-12-(*)-(+)60-12 | 10 3⁄8            | 6  | 6 15⁄16  | 13 1⁄2            | 9 5⁄8  | 9        | 14       | 10 3⁄16 | 9 3⁄8   |
|                                                                                                                                                                                                | 12              | 18             | Prefix(t)-18-(*)-(+)60-12 | 10 3⁄8            | 6  | 6 15⁄16  | 13 1⁄2            | 9 5⁄8  | 9        | 14       | 10 3⁄16 | 9 3⁄8   |
|                                                                                                                                                                                                | 12              | 24             | Prefix(t)-24-(*)-(+)60-12 | 10 3⁄8            | 6  | 6 15⁄16  | 13 1⁄2            | 9 5⁄8  | 9        | 14       | 10 3⁄16 | 9 3⁄8   |
|                                                                                                                                                                                                | 12              | 30             | Prefix(t)-30-(*)-(+)60-12 | 10 3⁄8            | 6  | 6 15⁄16  | 13 1⁄2            | 9 5⁄8  | 9        | 14       | 10 3⁄16 | 9 3⁄8   |
|                                                                                                                                                                                                | 12              | 36             | Prefix(t)-36-(*)-(+)60-12 | 10 3⁄8            | 6  | 6 15⁄16  | 13 1⁄2            | 9 5⁄8  | 9        | 14       | 10 3⁄16 | 9 3⁄8   |
|                                                                                                                                                                                                | 12              | 42             | Prefix(t)-42-(*)-(+)60-12 | 10 3⁄8            | 6  | 6 15⁄16  | 13 1⁄2            | 9 5⁄8  | 9        | 14       | 10 3⁄16 | 9 3⁄8   |
|                                                                                                                                                                                                | 24              | 6              | Prefix(t)-06-(*)-(+)60-24 | 20 13⁄16          | 12 | 13 7⁄8   | 23 15⁄16          | 15 5⁄8 | 15 15⁄16 | 24 7⁄16  | 16 3⁄16 | 16 1⁄4  |
|                                                                                                                                                                                                | 24              | 9              | Prefix(t)-09-(*)-(+)60-24 | 20 13⁄16          | 12 | 13 7⁄8   | 23 15⁄16          | 15 5⁄8 | 15 15⁄16 | 24 7⁄16  | 16 3⁄16 | 16 1⁄4  |
|                                                                                                                                                                                                | 24              | 12             | Prefix(t)-12-(*)-(+)60-24 | 20 13⁄16          | 12 | 13 7⁄8   | 23 15⁄16          | 15 5⁄8 | 15 15⁄16 | 24 7⁄16  | 16 3⁄16 | 16 1⁄4  |
|                                                                                                                                                                                                | 24              | 18             | Prefix(t)-18-(*)-(+)60-24 | 20 13⁄16          | 12 | 13 7⁄8   | 23 15⁄16          | 15 5⁄8 | 15 15⁄16 | 24 7⁄16  | 16 3⁄16 | 16 1⁄4  |
|                                                                                                                                                                                                | 24              | 24             | Prefix(t)-24-(*)-(+)60-24 | 20 13⁄16          | 12 | 13 7⁄8   | 23 15⁄16          | 15 5⁄8 | 15 15⁄16 | 24 7⁄16  | 16 3⁄16 | 16 1⁄4  |
|                                                                                                                                                                                                | 24              | 30             | Prefix(t)-30-(*)-(+)60-24 | 20 13⁄16          | 12 | 13 7⁄8   | 23 15⁄16          | 15 5⁄8 | 15 15⁄16 | 24 7⁄16  | 16 3⁄16 | 16 1⁄4  |
|                                                                                                                                                                                                | 24              | 36             | Prefix(t)-36-(*)-(+)60-24 | 20 13⁄16          | 12 | 13 7⁄8   | 23 15⁄16          | 15 5⁄8 | 15 15⁄16 | 24 7⁄16  | 16 3⁄16 | 16 1⁄4  |
|                                                                                                                                                                                                | 24              | 42             | Prefix(t)-42-(*)-(+)60-24 | 20 13⁄16          | 12 | 13 7⁄8   | 23 15⁄16          | 15 5⁄8 | 15 15⁄16 | 24 7⁄16  | 16 3⁄16 | 16 1⁄4  |
|                                                                                                                                                                                                | 36              | 6              | Prefix(t)-06-(*)-(+)60-36 | 31 3⁄16           | 18 | 20 13⁄16 | 34 5⁄16           | 21 5⁄8 | 22 7⁄8   | 34 13⁄16 | 22 3⁄4  | 23 3⁄16 |
|                                                                                                                                                                                                | 36              | 9              | Prefix(t)-09-(*)-(+)60-36 | 31 3⁄16           | 18 | 20 13⁄16 | 34 5⁄16           | 21 5⁄8 | 22 7⁄8   | 34 13⁄16 | 22 3⁄4  | 23 3⁄16 |
|                                                                                                                                                                                                | 36              | 12             | Prefix(t)-12-(*)-(+)60-36 | 31 3⁄16           | 18 | 20 13⁄16 | 34 5⁄16           | 21 5⁄8 | 22 7⁄8   | 34 13⁄16 | 22 3⁄4  | 23 3⁄16 |
|                                                                                                                                                                                                | 36              | 18             | Prefix(t)-18-(*)-(+)60-36 | 31 3⁄16           | 18 | 20 13⁄16 | 34 5⁄16           | 21 5⁄8 | 22 7⁄8   | 34 13⁄16 | 22 3⁄4  | 23 3⁄16 |
|                                                                                                                                                                                                | 36              | 24             | Prefix(t)-24-(*)-(+)60-36 | 31 3⁄16           | 18 | 20 13⁄16 | 34 5⁄16           | 21 5⁄8 | 22 7⁄8   | 34 13⁄16 | 22 3⁄4  | 23 3⁄16 |
|                                                                                                                                                                                                | 36              | 30             | Prefix(t)-30-(*)-(+)60-36 | 31 3⁄16           | 18 | 20 13⁄16 | 34 5⁄16           | 21 5⁄8 | 22 7⁄8   | 34 13⁄16 | 22 3⁄4  | 23 3⁄16 |
|                                                                                                                                                                                                | 36              | 36             | Prefix(t)-36-(*)-(+)60-36 | 31 3⁄16           | 18 | 20 13⁄16 | 34 5⁄16           | 21 5⁄8 | 22 7⁄8   | 34 13⁄16 | 22 3⁄4  | 23 3⁄16 |
|                                                                                                                                                                                                | 36              | 42             | Prefix(t)-42-(*)-(+)60-36 | 31 3⁄16           | 18 | 20 13⁄16 | 34 5⁄16           | 21 5⁄8 | 22 7⁄8   | 34 13⁄16 | 22 3⁄4  | 23 3⁄16 |
| <div>Inside bend</div>   | 48              | 6              | Prefix(t)-06-(*)-(+)60-48 | 41 9⁄16           | 24 | 27 11⁄16 | 44 11⁄16          | 27 5⁄8 | 29 13⁄16 | 45 3⁄16  | 28 3⁄16 | 30 5⁄8  |
|                                                                                                                                                                                                | 48              | 9              | Prefix(t)-09-(*)-(+)60-48 | 41 9⁄16           | 24 | 27 11⁄16 | 44 11⁄16          | 27 5⁄8 | 29 13⁄16 | 45 3⁄16  | 28 3⁄16 | 30 5⁄8  |
|                                                                                                                                                                                                | 48              | 12             | Prefix(t)-12-(*)-(+)60-48 | 41 9⁄16           | 24 | 27 11⁄16 | 44 11⁄16          | 27 5⁄8 | 29 13⁄16 | 45 3⁄16  | 28 3⁄16 | 30 5⁄8  |
|                                                                                                                                                                                                | 48              | 18             | Prefix(t)-18-(*)-(+)60-48 | 41 9⁄16           | 24 | 27 11⁄16 | 44 11⁄16          | 27 5⁄8 | 29 13⁄16 | 45 3⁄16  | 28 3⁄16 | 30 5⁄8  |
|                                                                                                                                                                                                | 48              | 24             | Prefix(t)-24-(*)-(+)60-48 | 41 9⁄16           | 24 | 27 11⁄16 | 44 11⁄16          | 27 5⁄8 | 29 13⁄16 | 45 3⁄16  | 28 3⁄16 | 30 5⁄8  |
|                                                                                                                                                                                                | 48              | 30             | Prefix(t)-30-(*)-(+)60-48 | 41 9⁄16           | 24 | 27 11⁄16 | 44 11⁄16          | 27 5⁄8 | 29 13⁄16 | 45 3⁄16  | 28 3⁄16 | 30 5⁄8  |
|                                                                                                                                                                                                | 48              | 36             | Prefix(t)-36-(*)-(+)60-48 | 41 9⁄16           | 24 | 27 11⁄16 | 44 11⁄16          | 27 5⁄8 | 29 13⁄16 | 45 3⁄16  | 28 3⁄16 | 30 5⁄8  |
|                                                                                                                                                                                                | 48              | 42             | Prefix(t)-42-(*)-(+)60-48 | 41 9⁄16           | 24 | 27 11⁄16 | 44 11⁄16          | 27 5⁄8 | 29 13⁄16 | 45 3⁄16  | 28 3⁄16 | 30 5⁄8  |
|                                                                                                                                                                                                | 48              | 6              | Prefix(t)-06-(*)-(+)60-48 | 41 9⁄16           | 24 | 27 11⁄16 | 44 11⁄16          | 27 5⁄8 | 29 13⁄16 | 45 3⁄16  | 28 3⁄16 | 30 5⁄8  |
|                                                                                                                                                                                                | 48              | 9              | Prefix(t)-09-(*)-(+)60-48 | 41 9⁄16           | 24 | 27 11⁄16 | 44 11⁄16          | 27 5⁄8 | 29 13⁄16 | 45 3⁄16  | 28 3⁄16 | 30 5⁄8  |
|                                                                                                                                                                                                | 48              | 12             | Prefix(t)-12-(*)-(+)60-48 | 41 9⁄16           | 24 | 27 11⁄16 | 44 11⁄16          | 27 5⁄8 | 29 13⁄16 | 45 3⁄16  | 28 3⁄16 | 30 5⁄8  |
|                                                                                                                                                                                                | 48              | 18             | Prefix(t)-18-(*)-(+)60-48 | 41 9⁄16           | 24 | 27 11⁄16 | 44 11⁄16          | 27 5⁄8 | 29 13⁄16 | 45 3⁄16  | 28 3⁄16 | 30 5⁄8  |

(t) Insert side rail height. (\*) Insert bottom (+) Insert "VO" for vertical outside or "VI" for vertical inside style to complete cat. no. Includes 1 pair of splice plates with hardware.

Part numbering system



—  
60° Vertical bends (continued)

|                 |                |                           | Dimensions (in.)                 |                                 |                                  |                                  |                                 |                                 |                                  |                                 |                                  |
|-----------------|----------------|---------------------------|----------------------------------|---------------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|
|                 |                |                           | (+ ) VI side rail                |                                 |                                  |                                  |                                 |                                 |                                  |                                 |                                  |
| Nominal         |                |                           | 5 in.                            |                                 |                                  | 6 in.                            |                                 |                                 | 7 in.                            |                                 |                                  |
| Radius<br>(in.) | Width<br>(in.) | Cat. no.                  | X                                | Y                               | Z                                | X                                | Y                               | Z                               | X                                | Y                               | Z                                |
| 12              | 6              | Prefix(t)-06-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>8</sub>   | 11 <sup>3</sup> / <sub>16</sub> | 9 <sup>15</sup> / <sub>16</sub>  | 15 <sup>3</sup> / <sub>4</sub>   | 12 <sup>3</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 16 <sup>5</sup> / <sub>8</sub>   | 13 <sup>3</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub>  |
| 12              | 9              | Prefix(t)-09-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>8</sub>   | 11 <sup>3</sup> / <sub>16</sub> | 9 <sup>15</sup> / <sub>16</sub>  | 15 <sup>3</sup> / <sub>4</sub>   | 12 <sup>3</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 16 <sup>5</sup> / <sub>8</sub>   | 13 <sup>3</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub>  |
| 12              | 12             | Prefix(t)-12-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>8</sub>   | 11 <sup>3</sup> / <sub>16</sub> | 9 <sup>15</sup> / <sub>16</sub>  | 15 <sup>3</sup> / <sub>4</sub>   | 12 <sup>3</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 16 <sup>5</sup> / <sub>8</sub>   | 13 <sup>3</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub>  |
| 12              | 18             | Prefix(t)-18-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>8</sub>   | 11 <sup>3</sup> / <sub>16</sub> | 9 <sup>15</sup> / <sub>16</sub>  | 15 <sup>3</sup> / <sub>4</sub>   | 12 <sup>3</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 16 <sup>5</sup> / <sub>8</sub>   | 13 <sup>3</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub>  |
| 12              | 24             | Prefix(t)-24-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>8</sub>   | 11 <sup>3</sup> / <sub>16</sub> | 9 <sup>15</sup> / <sub>16</sub>  | 15 <sup>3</sup> / <sub>4</sub>   | 12 <sup>3</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 16 <sup>5</sup> / <sub>8</sub>   | 13 <sup>3</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub>  |
| 12              | 30             | Prefix(t)-30-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>8</sub>   | 11 <sup>3</sup> / <sub>16</sub> | 9 <sup>15</sup> / <sub>16</sub>  | 15 <sup>3</sup> / <sub>4</sub>   | 12 <sup>3</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 16 <sup>5</sup> / <sub>8</sub>   | 13 <sup>3</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub>  |
| 12              | 36             | Prefix(t)-36-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>8</sub>   | 11 <sup>3</sup> / <sub>16</sub> | 9 <sup>15</sup> / <sub>16</sub>  | 15 <sup>3</sup> / <sub>4</sub>   | 12 <sup>3</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 16 <sup>5</sup> / <sub>8</sub>   | 13 <sup>3</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub>  |
| 12              | 42             | Prefix(t)-42-(*)-(+)60-12 | 14 <sup>7</sup> / <sub>8</sub>   | 11 <sup>3</sup> / <sub>16</sub> | 9 <sup>15</sup> / <sub>16</sub>  | 15 <sup>3</sup> / <sub>4</sub>   | 12 <sup>3</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  | 16 <sup>5</sup> / <sub>8</sub>   | 13 <sup>3</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>16</sub>  |
| 24              | 6              | Prefix(t)-06-(*)-(+)60-24 | 25 <sup>3</sup> / <sub>4</sub>   | 17 <sup>3</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>8</sub>   | 26 <sup>3</sup> / <sub>8</sub>   | 18 <sup>3</sup> / <sub>16</sub> | 17 <sup>7</sup> / <sub>16</sub> | 27                               | 19 <sup>3</sup> / <sub>16</sub> | 18                               |
| 24              | 9              | Prefix(t)-09-(*)-(+)60-24 | 25 <sup>3</sup> / <sub>4</sub>   | 17 <sup>3</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>8</sub>   | 26 <sup>3</sup> / <sub>8</sub>   | 18 <sup>3</sup> / <sub>16</sub> | 17 <sup>7</sup> / <sub>16</sub> | 27                               | 19 <sup>3</sup> / <sub>16</sub> | 18                               |
| 24              | 12             | Prefix(t)-12-(*)-(+)60-24 | 25 <sup>3</sup> / <sub>4</sub>   | 17 <sup>3</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>8</sub>   | 26 <sup>3</sup> / <sub>8</sub>   | 18 <sup>3</sup> / <sub>16</sub> | 17 <sup>7</sup> / <sub>16</sub> | 27                               | 19 <sup>3</sup> / <sub>16</sub> | 18                               |
| 24              | 18             | Prefix(t)-18-(*)-(+)60-24 | 25 <sup>3</sup> / <sub>4</sub>   | 17 <sup>3</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>8</sub>   | 26 <sup>3</sup> / <sub>8</sub>   | 18 <sup>3</sup> / <sub>16</sub> | 17 <sup>7</sup> / <sub>16</sub> | 27                               | 19 <sup>3</sup> / <sub>16</sub> | 18                               |
| 24              | 24             | Prefix(t)-24-(*)-(+)60-24 | 25 <sup>3</sup> / <sub>4</sub>   | 17 <sup>3</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>8</sub>   | 26 <sup>3</sup> / <sub>8</sub>   | 18 <sup>3</sup> / <sub>16</sub> | 17 <sup>7</sup> / <sub>16</sub> | 27                               | 19 <sup>3</sup> / <sub>16</sub> | 18                               |
| 24              | 30             | Prefix(t)-30-(*)-(+)60-24 | 25 <sup>3</sup> / <sub>4</sub>   | 17 <sup>3</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>8</sub>   | 26 <sup>3</sup> / <sub>8</sub>   | 18 <sup>3</sup> / <sub>16</sub> | 17 <sup>7</sup> / <sub>16</sub> | 27                               | 19 <sup>3</sup> / <sub>16</sub> | 18                               |
| 24              | 36             | Prefix(t)-36-(*)-(+)60-24 | 25 <sup>3</sup> / <sub>4</sub>   | 17 <sup>3</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>8</sub>   | 26 <sup>3</sup> / <sub>8</sub>   | 18 <sup>3</sup> / <sub>16</sub> | 17 <sup>7</sup> / <sub>16</sub> | 27                               | 19 <sup>3</sup> / <sub>16</sub> | 18                               |
| 24              | 42             | Prefix(t)-42-(*)-(+)60-24 | 25 <sup>3</sup> / <sub>4</sub>   | 17 <sup>3</sup> / <sub>16</sub> | 16 <sup>7</sup> / <sub>8</sub>   | 26 <sup>3</sup> / <sub>8</sub>   | 18 <sup>3</sup> / <sub>16</sub> | 17 <sup>7</sup> / <sub>16</sub> | 27                               | 19 <sup>3</sup> / <sub>16</sub> | 18                               |
| 36              | 6              | Prefix(t)-06-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>4</sub>   | 36 <sup>1</sup> / <sub>2</sub>   | 24 <sup>3</sup> / <sub>16</sub> | 24 <sup>3</sup> / <sub>8</sub>  | 37 <sup>7</sup> / <sub>16</sub>  | 25 <sup>3</sup> / <sub>16</sub> | 24 <sup>15</sup> / <sub>16</sub> |
| 36              | 9              | Prefix(t)-09-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>4</sub>   | 36 <sup>1</sup> / <sub>2</sub>   | 24 <sup>3</sup> / <sub>16</sub> | 24 <sup>3</sup> / <sub>8</sub>  | 37 <sup>7</sup> / <sub>16</sub>  | 25 <sup>3</sup> / <sub>16</sub> | 24 <sup>15</sup> / <sub>16</sub> |
| 36              | 12             | Prefix(t)-12-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>4</sub>   | 36 <sup>1</sup> / <sub>2</sub>   | 24 <sup>3</sup> / <sub>16</sub> | 24 <sup>3</sup> / <sub>8</sub>  | 37 <sup>7</sup> / <sub>16</sub>  | 25 <sup>3</sup> / <sub>16</sub> | 24 <sup>15</sup> / <sub>16</sub> |
| 36              | 18             | Prefix(t)-18-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>4</sub>   | 36 <sup>1</sup> / <sub>2</sub>   | 24 <sup>3</sup> / <sub>16</sub> | 24 <sup>3</sup> / <sub>8</sub>  | 37 <sup>7</sup> / <sub>16</sub>  | 25 <sup>3</sup> / <sub>16</sub> | 24 <sup>15</sup> / <sub>16</sub> |
| 36              | 24             | Prefix(t)-24-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>4</sub>   | 36 <sup>1</sup> / <sub>2</sub>   | 24 <sup>3</sup> / <sub>16</sub> | 24 <sup>3</sup> / <sub>8</sub>  | 37 <sup>7</sup> / <sub>16</sub>  | 25 <sup>3</sup> / <sub>16</sub> | 24 <sup>15</sup> / <sub>16</sub> |
| 36              | 30             | Prefix(t)-30-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>4</sub>   | 36 <sup>1</sup> / <sub>2</sub>   | 24 <sup>3</sup> / <sub>16</sub> | 24 <sup>3</sup> / <sub>8</sub>  | 37 <sup>7</sup> / <sub>16</sub>  | 25 <sup>3</sup> / <sub>16</sub> | 24 <sup>15</sup> / <sub>16</sub> |
| 36              | 36             | Prefix(t)-36-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>4</sub>   | 36 <sup>1</sup> / <sub>2</sub>   | 24 <sup>3</sup> / <sub>16</sub> | 24 <sup>3</sup> / <sub>8</sub>  | 37 <sup>7</sup> / <sub>16</sub>  | 25 <sup>3</sup> / <sub>16</sub> | 24 <sup>15</sup> / <sub>16</sub> |
| 36              | 42             | Prefix(t)-42-(*)-(+)60-36 | 35 <sup>11</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>4</sub>   | 36 <sup>1</sup> / <sub>2</sub>   | 24 <sup>3</sup> / <sub>16</sub> | 24 <sup>3</sup> / <sub>8</sub>  | 37 <sup>7</sup> / <sub>16</sub>  | 25 <sup>3</sup> / <sub>16</sub> | 24 <sup>15</sup> / <sub>16</sub> |
| 48              | 6              | Prefix(t)-06-(*)-(+)60-48 | 46 <sup>3</sup> / <sub>16</sub>  | 29 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 46 <sup>15</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 31 <sup>1</sup> / <sub>8</sub>  | 47 <sup>13</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>7</sup> / <sub>8</sub>   |
| 48              | 9              | Prefix(t)-09-(*)-(+)60-48 | 46 <sup>3</sup> / <sub>16</sub>  | 29 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 46 <sup>15</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 31 <sup>1</sup> / <sub>8</sub>  | 47 <sup>13</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>7</sup> / <sub>8</sub>   |
| 48              | 12             | Prefix(t)-12-(*)-(+)60-48 | 46 <sup>3</sup> / <sub>16</sub>  | 29 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 46 <sup>15</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 31 <sup>1</sup> / <sub>8</sub>  | 47 <sup>13</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>7</sup> / <sub>8</sub>   |
| 48              | 18             | Prefix(t)-18-(*)-(+)60-48 | 46 <sup>3</sup> / <sub>16</sub>  | 29 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 46 <sup>15</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 31 <sup>1</sup> / <sub>8</sub>  | 47 <sup>13</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>7</sup> / <sub>8</sub>   |
| 48              | 24             | Prefix(t)-24-(*)-(+)60-48 | 46 <sup>3</sup> / <sub>16</sub>  | 29 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 46 <sup>15</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 31 <sup>1</sup> / <sub>8</sub>  | 47 <sup>13</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>7</sup> / <sub>8</sub>   |
| 48              | 30             | Prefix(t)-30-(*)-(+)60-48 | 46 <sup>3</sup> / <sub>16</sub>  | 29 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 46 <sup>15</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 31 <sup>1</sup> / <sub>8</sub>  | 47 <sup>13</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>7</sup> / <sub>8</sub>   |
| 48              | 36             | Prefix(t)-36-(*)-(+)60-48 | 46 <sup>3</sup> / <sub>16</sub>  | 29 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 46 <sup>15</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 31 <sup>1</sup> / <sub>8</sub>  | 47 <sup>13</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>7</sup> / <sub>8</sub>   |
| 48              | 42             | Prefix(t)-42-(*)-(+)60-48 | 46 <sup>3</sup> / <sub>16</sub>  | 29 <sup>3</sup> / <sub>16</sub> | 30 <sup>11</sup> / <sub>16</sub> | 46 <sup>15</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 31 <sup>1</sup> / <sub>8</sub>  | 47 <sup>13</sup> / <sub>16</sub> | 31 <sup>3</sup> / <sub>16</sub> | 31 <sup>7</sup> / <sub>8</sub>   |

(t) Insert side rail height. (\*) Insert bottom (+) Insert "VO" for vertical outside or "VI" for vertical inside style to complete cat. no. Includes 1 pair of splice plates with hardware.

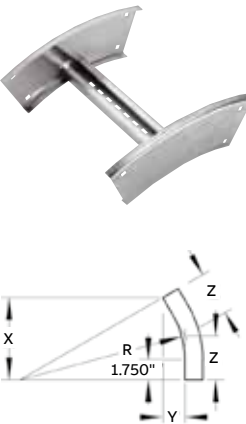
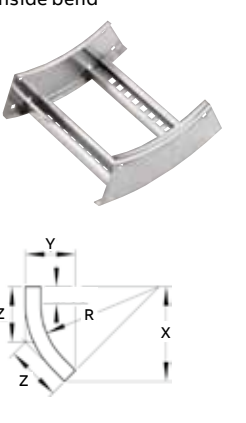
### Selection guide

- Prefix: SPF (pregalv.), SHF (hot-dip), SSF (stainless steel)
- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 60°
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 3 in., 4 in., 5 in., 6 in., 7 in.

## Steel fittings

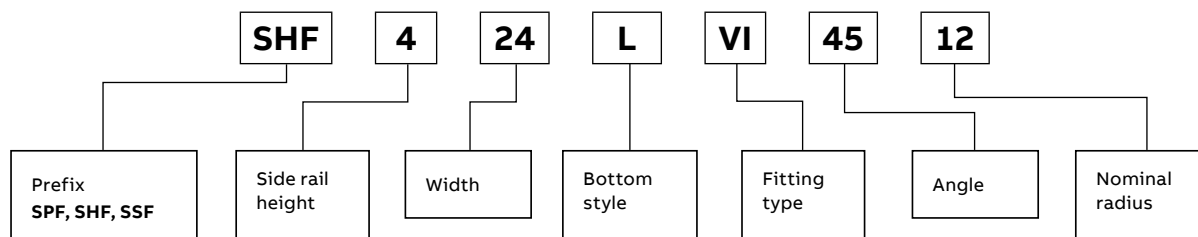
### 45° Vertical bend fittings

#### 45° Vertical bends

|                                                                                     | Nominal      |             | Cat. no.                  | Dimensions (in.)  |         |          |                   |          |         |          |         |          |
|-------------------------------------------------------------------------------------|--------------|-------------|---------------------------|-------------------|---------|----------|-------------------|----------|---------|----------|---------|----------|
|                                                                                     |              |             |                           | (+ ) VO side rail |         |          | (+ ) VI side rail |          |         |          |         |          |
|                                                                                     |              |             |                           | 3 3/8 in. – 7 in. |         |          | 3 1/2 in.         |          |         | 4 in.    |         |          |
|                                                                                     | Radius (in.) | Width (in.) |                           | X                 | Y       | Z        | X                 | Y        | Z       | X        | Y       | Z        |
|   | 12           | 6           | Prefix(t)-06-(*)-(+)45-12 | 8 1/2             | 3 1/2   | 5        | 11 1/16           | 7 1/8    | 6 1/2   | 11 7/16  | 7 11/16 | 6 11/16  |
|                                                                                     | 12           | 9           | Prefix(t)-09-(*)-(+)45-12 | 8 1/2             | 3 1/2   | 5        | 11 1/16           | 7 1/8    | 6 1/2   | 11 7/16  | 7 11/16 | 6 11/16  |
|                                                                                     | 12           | 12          | Prefix(t)-12-(*)-(+)45-12 | 8 1/2             | 3 1/2   | 5        | 11 1/16           | 7 1/8    | 6 1/2   | 11 7/16  | 7 11/16 | 6 11/16  |
|                                                                                     | 12           | 18          | Prefix(t)-18-(*)-(+)45-12 | 8 1/2             | 3 1/2   | 5        | 11 1/16           | 7 1/8    | 6 1/2   | 11 7/16  | 7 11/16 | 6 11/16  |
|                                                                                     | 12           | 24          | Prefix(t)-24-(*)-(+)45-12 | 8 1/2             | 3 1/2   | 5        | 11 1/16           | 7 1/8    | 6 1/2   | 11 7/16  | 7 11/16 | 6 11/16  |
|                                                                                     | 12           | 30          | Prefix(t)-30-(*)-(+)45-12 | 8 1/2             | 3 1/2   | 5        | 11 1/16           | 7 1/8    | 6 1/2   | 11 7/16  | 7 11/16 | 6 11/16  |
|                                                                                     | 12           | 36          | Prefix(t)-36-(*)-(+)45-12 | 8 1/2             | 3 1/2   | 5        | 11 1/16           | 7 1/8    | 6 1/2   | 11 7/16  | 7 11/16 | 6 11/16  |
|                                                                                     | 12           | 42          | Prefix(t)-42-(*)-(+)45-12 | 8 1/2             | 3 1/2   | 5        | 11 1/16           | 7 1/8    | 6 1/2   | 11 7/16  | 7 11/16 | 6 11/16  |
|                                                                                     | 24           | 6           | Prefix(t)-06-(*)-(+)45-24 | 17                | 7       | 9 15/16  | 19 1/2            | 10 5/8   | 11 7/16 | 19 15/16 | 11 3/16 | 11 11/16 |
|                                                                                     | 24           | 9           | Prefix(t)-09-(*)-(+)45-24 | 17                | 7       | 9 15/16  | 19 1/2            | 10 5/8   | 11 7/16 | 19 15/16 | 11 3/16 | 11 11/16 |
|                                                                                     | 24           | 12          | Prefix(t)-12-(*)-(+)45-24 | 17                | 7       | 9 15/16  | 19 1/2            | 10 5/8   | 11 7/16 | 19 15/16 | 11 3/16 | 11 11/16 |
|                                                                                     | 24           | 18          | Prefix(t)-18-(*)-(+)45-24 | 17                | 7       | 9 15/16  | 19 1/2            | 10 5/8   | 11 7/16 | 19 15/16 | 11 3/16 | 11 11/16 |
|  | 24           | 24          | Prefix(t)-24-(*)-(+)45-24 | 17                | 7       | 9 15/16  | 19 1/2            | 10 5/8   | 11 7/16 | 19 15/16 | 11 3/16 | 11 11/16 |
|                                                                                     | 24           | 30          | Prefix(t)-30-(*)-(+)45-24 | 17                | 7       | 9 15/16  | 19 1/2            | 10 5/8   | 11 7/16 | 19 15/16 | 11 3/16 | 11 11/16 |
|                                                                                     | 24           | 36          | Prefix(t)-36-(*)-(+)45-24 | 17                | 7       | 9 15/16  | 19 1/2            | 10 5/8   | 11 7/16 | 19 15/16 | 11 3/16 | 11 11/16 |
|                                                                                     | 24           | 42          | Prefix(t)-42-(*)-(+)45-24 | 17                | 7       | 9 15/16  | 19 1/2            | 10 5/8   | 11 7/16 | 19 15/16 | 11 3/16 | 11 11/16 |
|                                                                                     | 36           | 6           | Prefix(t)-06-(*)-(+)45-36 | 25 7/16           | 10 9/16 | 14 15/16 | 28                | 14 3/16  | 16 7/16 | 28 7/16  | 14 3/4  | 16 5/8   |
|                                                                                     | 36           | 9           | Prefix(t)-09-(*)-(+)45-36 | 25 7/16           | 10 9/16 | 14 15/16 | 28                | 14 3/16  | 16 7/16 | 28 7/16  | 14 3/4  | 16 5/8   |
|                                                                                     | 36           | 12          | Prefix(t)-12-(*)-(+)45-36 | 25 7/16           | 10 9/16 | 14 15/16 | 28                | 14 3/16  | 16 7/16 | 28 7/16  | 14 3/4  | 16 5/8   |
|                                                                                     | 36           | 18          | Prefix(t)-18-(*)-(+)45-36 | 25 7/16           | 10 9/16 | 14 15/16 | 28                | 14 3/16  | 16 7/16 | 28 7/16  | 14 3/4  | 16 5/8   |
|                                                                                     | 36           | 24          | Prefix(t)-24-(*)-(+)45-36 | 25 7/16           | 10 9/16 | 14 15/16 | 28                | 14 3/16  | 16 7/16 | 28 7/16  | 14 3/4  | 16 5/8   |
|                                                                                     | 36           | 30          | Prefix(t)-30-(*)-(+)45-36 | 25 7/16           | 10 9/16 | 14 15/16 | 28                | 14 3/16  | 16 7/16 | 28 7/16  | 14 3/4  | 16 5/8   |
|                                                                                     | 36           | 36          | Prefix(t)-36-(*)-(+)45-36 | 25 7/16           | 10 9/16 | 14 15/16 | 28                | 14 3/16  | 16 7/16 | 28 7/16  | 14 3/4  | 16 5/8   |
|                                                                                     | 36           | 42          | Prefix(t)-42-(*)-(+)45-36 | 25 7/16           | 10 9/16 | 14 15/16 | 28                | 14 3/16  | 16 7/16 | 28 7/16  | 14 3/4  | 16 5/8   |
|                                                                                     | 48           | 6           | Prefix(t)-06-(*)-(+)45-48 | 33 15/16          | 14 1/16 | 19 7/8   | 36 1/2            | 17 11/16 | 21 3/8  | 36 7/8   | 18 3/4  | 21 5/8   |
|                                                                                     | 48           | 9           | Prefix(t)-09-(*)-(+)45-48 | 33 15/16          | 14 1/16 | 19 7/8   | 36 1/2            | 17 11/16 | 21 3/8  | 36 7/8   | 18 3/4  | 21 5/8   |
|                                                                                     | 48           | 12          | Prefix(t)-12-(*)-(+)45-48 | 33 15/16          | 14 1/16 | 19 7/8   | 36 1/2            | 17 11/16 | 21 3/8  | 36 7/8   | 18 3/4  | 21 5/8   |
|                                                                                     | 48           | 18          | Prefix(t)-18-(*)-(+)45-48 | 33 15/16          | 14 1/16 | 19 7/8   | 36 1/2            | 17 11/16 | 21 3/8  | 36 7/8   | 18 3/4  | 21 5/8   |
|                                                                                     | 48           | 24          | Prefix(t)-24-(*)-(+)45-48 | 33 15/16          | 14 1/16 | 19 7/8   | 36 1/2            | 17 11/16 | 21 3/8  | 36 7/8   | 18 3/4  | 21 5/8   |
|                                                                                     | 48           | 30          | Prefix(t)-30-(*)-(+)45-48 | 33 15/16          | 14 1/16 | 19 7/8   | 36 1/2            | 17 11/16 | 21 3/8  | 36 7/8   | 18 3/4  | 21 5/8   |
|                                                                                     | 48           | 36          | Prefix(t)-36-(*)-(+)45-48 | 33 15/16          | 14 1/16 | 19 7/8   | 36 1/2            | 17 11/16 | 21 3/8  | 36 7/8   | 18 3/4  | 21 5/8   |
|                                                                                     | 48           | 42          | Prefix(t)-42-(*)-(+)45-48 | 33 15/16          | 14 1/16 | 19 7/8   | 36 1/2            | 17 11/16 | 21 3/8  | 36 7/8   | 18 3/4  | 21 5/8   |

(t) Insert side rail height. (\*) Insert bottom (+) Insert "VO" for vertical outside or "VI" for vertical inside style to complete cat. no. Includes 1 pair of splice plates with hardware.

#### Part numbering system



—  
45° Vertical bends (continued)

|                 |                |                            | Dimensions (in.)  |                   |                   |                    |                   |                   |                   |                    |                    |
|-----------------|----------------|----------------------------|-------------------|-------------------|-------------------|--------------------|-------------------|-------------------|-------------------|--------------------|--------------------|
|                 |                |                            | (+ ) VI side rail |                   |                   |                    |                   |                   |                   |                    |                    |
| Nominal         |                |                            | 5 in.             |                   |                   | 6 in.              |                   |                   | 7 in.             |                    |                    |
| Radius<br>(in.) | Width<br>(in.) | Cat. no.                   | X                 | Y                 | Z                 | X                  | Y                 | Z                 | X                 | Y                  | Z                  |
| 12              | 6              | Prefix(t)-06-(*)-(+ )45-12 | 12 $\frac{3}{8}$  | 8 $\frac{11}{16}$ | 7 $\frac{1}{8}$   | 12 $\frac{3}{8}$   | 9 $\frac{11}{16}$ | 7 $\frac{1}{2}$   | 13 $\frac{9}{16}$ | 10 $\frac{11}{16}$ | 7 $\frac{15}{16}$  |
| 12              | 9              | Prefix(t)-09-(*)-(+ )45-12 | 12 $\frac{3}{8}$  | 8 $\frac{11}{16}$ | 7 $\frac{1}{8}$   | 12 $\frac{3}{8}$   | 9 $\frac{11}{16}$ | 7 $\frac{1}{2}$   | 13 $\frac{9}{16}$ | 10 $\frac{11}{16}$ | 7 $\frac{15}{16}$  |
| 12              | 12             | Prefix(t)-12-(*)-(+ )45-12 | 12 $\frac{3}{8}$  | 8 $\frac{11}{16}$ | 7 $\frac{1}{8}$   | 12 $\frac{3}{8}$   | 9 $\frac{11}{16}$ | 7 $\frac{1}{2}$   | 13 $\frac{9}{16}$ | 10 $\frac{11}{16}$ | 7 $\frac{15}{16}$  |
| 12              | 18             | Prefix(t)-18-(*)-(+ )45-12 | 12 $\frac{3}{8}$  | 8 $\frac{11}{16}$ | 7 $\frac{1}{8}$   | 12 $\frac{3}{8}$   | 9 $\frac{11}{16}$ | 7 $\frac{1}{2}$   | 13 $\frac{9}{16}$ | 10 $\frac{11}{16}$ | 7 $\frac{15}{16}$  |
| 12              | 24             | Prefix(t)-24-(*)-(+ )45-12 | 12 $\frac{3}{8}$  | 8 $\frac{11}{16}$ | 7 $\frac{1}{8}$   | 12 $\frac{3}{8}$   | 9 $\frac{11}{16}$ | 7 $\frac{1}{2}$   | 13 $\frac{9}{16}$ | 10 $\frac{11}{16}$ | 7 $\frac{15}{16}$  |
| 12              | 30             | Prefix(t)-30-(*)-(+ )45-12 | 12 $\frac{3}{8}$  | 8 $\frac{11}{16}$ | 7 $\frac{1}{8}$   | 12 $\frac{3}{8}$   | 9 $\frac{11}{16}$ | 7 $\frac{1}{2}$   | 13 $\frac{9}{16}$ | 10 $\frac{11}{16}$ | 7 $\frac{15}{16}$  |
| 12              | 36             | Prefix(t)-36-(*)-(+ )45-12 | 12 $\frac{3}{8}$  | 8 $\frac{11}{16}$ | 7 $\frac{1}{8}$   | 12 $\frac{3}{8}$   | 9 $\frac{11}{16}$ | 7 $\frac{1}{2}$   | 13 $\frac{9}{16}$ | 10 $\frac{11}{16}$ | 7 $\frac{15}{16}$  |
| 12              | 42             | Prefix(t)-42-(*)-(+ )45-12 | 12 $\frac{3}{8}$  | 8 $\frac{11}{16}$ | 7 $\frac{1}{8}$   | 12 $\frac{3}{8}$   | 9 $\frac{11}{16}$ | 7 $\frac{1}{2}$   | 13 $\frac{9}{16}$ | 10 $\frac{11}{16}$ | 7 $\frac{15}{16}$  |
| 24              | 6              | Prefix(t)-06-(*)-(+ )45-24 | 20 $\frac{3}{8}$  | 12 $\frac{3}{16}$ | 12 $\frac{1}{16}$ | 21 $\frac{3}{8}$   | 13 $\frac{3}{16}$ | 12 $\frac{1}{2}$  | 22 $\frac{1}{16}$ | 14 $\frac{3}{16}$  | 12 $\frac{15}{16}$ |
| 24              | 9              | Prefix(t)-09-(*)-(+ )45-24 | 20 $\frac{3}{8}$  | 12 $\frac{3}{16}$ | 12 $\frac{1}{16}$ | 21 $\frac{3}{8}$   | 13 $\frac{3}{16}$ | 12 $\frac{1}{2}$  | 22 $\frac{1}{16}$ | 14 $\frac{3}{16}$  | 12 $\frac{15}{16}$ |
| 24              | 12             | Prefix(t)-12-(*)-(+ )45-24 | 20 $\frac{3}{8}$  | 12 $\frac{3}{16}$ | 12 $\frac{1}{16}$ | 21 $\frac{3}{8}$   | 13 $\frac{3}{16}$ | 12 $\frac{1}{2}$  | 22 $\frac{1}{16}$ | 14 $\frac{3}{16}$  | 12 $\frac{15}{16}$ |
| 24              | 18             | Prefix(t)-18-(*)-(+ )45-24 | 20 $\frac{3}{8}$  | 12 $\frac{3}{16}$ | 12 $\frac{1}{16}$ | 21 $\frac{3}{8}$   | 13 $\frac{3}{16}$ | 12 $\frac{1}{2}$  | 22 $\frac{1}{16}$ | 14 $\frac{3}{16}$  | 12 $\frac{15}{16}$ |
| 24              | 24             | Prefix(t)-24-(*)-(+ )45-24 | 20 $\frac{3}{8}$  | 12 $\frac{3}{16}$ | 12 $\frac{1}{16}$ | 21 $\frac{3}{8}$   | 13 $\frac{3}{16}$ | 12 $\frac{1}{2}$  | 22 $\frac{1}{16}$ | 14 $\frac{3}{16}$  | 12 $\frac{15}{16}$ |
| 24              | 30             | Prefix(t)-30-(*)-(+ )45-24 | 20 $\frac{3}{8}$  | 12 $\frac{3}{16}$ | 12 $\frac{1}{16}$ | 21 $\frac{3}{8}$   | 13 $\frac{3}{16}$ | 12 $\frac{1}{2}$  | 22 $\frac{1}{16}$ | 14 $\frac{3}{16}$  | 12 $\frac{15}{16}$ |
| 24              | 36             | Prefix(t)-36-(*)-(+ )45-24 | 20 $\frac{3}{8}$  | 12 $\frac{3}{16}$ | 12 $\frac{1}{16}$ | 21 $\frac{3}{8}$   | 13 $\frac{3}{16}$ | 12 $\frac{1}{2}$  | 22 $\frac{1}{16}$ | 14 $\frac{3}{16}$  | 12 $\frac{15}{16}$ |
| 24              | 42             | Prefix(t)-42-(*)-(+ )45-24 | 20 $\frac{3}{8}$  | 12 $\frac{3}{16}$ | 12 $\frac{1}{16}$ | 21 $\frac{3}{8}$   | 13 $\frac{3}{16}$ | 12 $\frac{1}{2}$  | 22 $\frac{1}{16}$ | 14 $\frac{3}{16}$  | 12 $\frac{15}{16}$ |
| 36              | 6              | Prefix(t)-06-(*)-(+ )45-36 | 29 $\frac{1}{8}$  | 15 $\frac{3}{4}$  | 17 $\frac{1}{16}$ | 29 $\frac{13}{16}$ | 16 $\frac{3}{4}$  | 17 $\frac{1}{2}$  | 30 $\frac{1}{2}$  | 17 $\frac{3}{4}$   | 17 $\frac{7}{8}$   |
| 36              | 9              | Prefix(t)-09-(*)-(+ )45-36 | 29 $\frac{1}{8}$  | 15 $\frac{3}{4}$  | 17 $\frac{1}{16}$ | 29 $\frac{13}{16}$ | 16 $\frac{3}{4}$  | 17 $\frac{1}{2}$  | 30 $\frac{1}{2}$  | 17 $\frac{3}{4}$   | 17 $\frac{7}{8}$   |
| 36              | 12             | Prefix(t)-12-(*)-(+ )45-36 | 29 $\frac{1}{8}$  | 15 $\frac{3}{4}$  | 17 $\frac{1}{16}$ | 29 $\frac{13}{16}$ | 16 $\frac{3}{4}$  | 17 $\frac{1}{2}$  | 30 $\frac{1}{2}$  | 17 $\frac{3}{4}$   | 17 $\frac{7}{8}$   |
| 36              | 18             | Prefix(t)-18-(*)-(+ )45-36 | 29 $\frac{1}{8}$  | 15 $\frac{3}{4}$  | 17 $\frac{1}{16}$ | 29 $\frac{13}{16}$ | 16 $\frac{3}{4}$  | 17 $\frac{1}{2}$  | 30 $\frac{1}{2}$  | 17 $\frac{3}{4}$   | 17 $\frac{7}{8}$   |
| 36              | 24             | Prefix(t)-24-(*)-(+ )45-36 | 29 $\frac{1}{8}$  | 15 $\frac{3}{4}$  | 17 $\frac{1}{16}$ | 29 $\frac{13}{16}$ | 16 $\frac{3}{4}$  | 17 $\frac{1}{2}$  | 30 $\frac{1}{2}$  | 17 $\frac{3}{4}$   | 17 $\frac{7}{8}$   |
| 36              | 30             | Prefix(t)-30-(*)-(+ )45-36 | 29 $\frac{1}{8}$  | 15 $\frac{3}{4}$  | 17 $\frac{1}{16}$ | 29 $\frac{13}{16}$ | 16 $\frac{3}{4}$  | 17 $\frac{1}{2}$  | 30 $\frac{1}{2}$  | 17 $\frac{3}{4}$   | 17 $\frac{7}{8}$   |
| 36              | 36             | Prefix(t)-36-(*)-(+ )45-36 | 29 $\frac{1}{8}$  | 15 $\frac{3}{4}$  | 17 $\frac{1}{16}$ | 29 $\frac{13}{16}$ | 16 $\frac{3}{4}$  | 17 $\frac{1}{2}$  | 30 $\frac{1}{2}$  | 17 $\frac{3}{4}$   | 17 $\frac{7}{8}$   |
| 36              | 42             | Prefix(t)-42-(*)-(+ )45-36 | 29 $\frac{1}{8}$  | 15 $\frac{3}{4}$  | 17 $\frac{1}{16}$ | 29 $\frac{13}{16}$ | 16 $\frac{3}{4}$  | 17 $\frac{1}{2}$  | 30 $\frac{1}{2}$  | 17 $\frac{3}{4}$   | 17 $\frac{7}{8}$   |
| 48              | 6              | Prefix(t)-06-(*)-(+ )45-48 | 37 $\frac{7}{8}$  | 19 $\frac{1}{4}$  | 22                | 39 $\frac{5}{16}$  | 20 $\frac{1}{4}$  | 22 $\frac{7}{16}$ | 39                | 21 $\frac{1}{4}$   | 22 $\frac{7}{8}$   |
| 48              | 9              | Prefix(t)-09-(*)-(+ )45-48 | 37 $\frac{7}{8}$  | 19 $\frac{1}{4}$  | 22                | 39 $\frac{5}{16}$  | 20 $\frac{1}{4}$  | 22 $\frac{7}{16}$ | 39                | 21 $\frac{1}{4}$   | 22 $\frac{7}{8}$   |
| 48              | 12             | Prefix(t)-12-(*)-(+ )45-48 | 37 $\frac{7}{8}$  | 19 $\frac{1}{4}$  | 22                | 39 $\frac{5}{16}$  | 20 $\frac{1}{4}$  | 22 $\frac{7}{16}$ | 39                | 21 $\frac{1}{4}$   | 22 $\frac{7}{8}$   |
| 48              | 18             | Prefix(t)-18-(*)-(+ )45-48 | 37 $\frac{7}{8}$  | 19 $\frac{1}{4}$  | 22                | 39 $\frac{5}{16}$  | 20 $\frac{1}{4}$  | 22 $\frac{7}{16}$ | 39                | 21 $\frac{1}{4}$   | 22 $\frac{7}{8}$   |
| 48              | 24             | Prefix(t)-24-(*)-(+ )45-48 | 37 $\frac{7}{8}$  | 19 $\frac{1}{4}$  | 22                | 39 $\frac{5}{16}$  | 20 $\frac{1}{4}$  | 22 $\frac{7}{16}$ | 39                | 21 $\frac{1}{4}$   | 22 $\frac{7}{8}$   |
| 48              | 30             | Prefix(t)-30-(*)-(+ )45-48 | 37 $\frac{7}{8}$  | 19 $\frac{1}{4}$  | 22                | 39 $\frac{5}{16}$  | 20 $\frac{1}{4}$  | 22 $\frac{7}{16}$ | 39                | 21 $\frac{1}{4}$   | 22 $\frac{7}{8}$   |
| 48              | 36             | Prefix(t)-36-(*)-(+ )45-48 | 37 $\frac{7}{8}$  | 19 $\frac{1}{4}$  | 22                | 39 $\frac{5}{16}$  | 20 $\frac{1}{4}$  | 22 $\frac{7}{16}$ | 39                | 21 $\frac{1}{4}$   | 22 $\frac{7}{8}$   |
| 48              | 42             | Prefix(t)-42-(*)-(+ )45-48 | 37 $\frac{7}{8}$  | 19 $\frac{1}{4}$  | 22                | 39 $\frac{5}{16}$  | 20 $\frac{1}{4}$  | 22 $\frac{7}{16}$ | 39                | 21 $\frac{1}{4}$   | 22 $\frac{7}{8}$   |

(t) Insert side rail height. (\*) Insert bottom (+) Insert "VO" for vertical outside or "VI" for vertical inside style to complete cat. no. Includes 1 pair of splice plates with hardware.

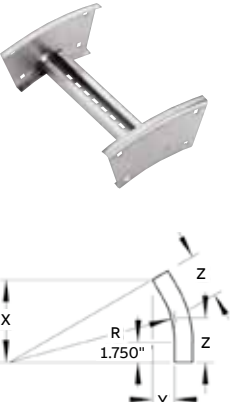
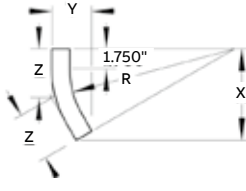
### Selection guide

- Prefix: SPF (pregalv.), SHF (hot-dip), SSF (stainless steel)
- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 45°
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 3 in., 4 in., 5 in., 6 in., 7 in.

## Steel fittings

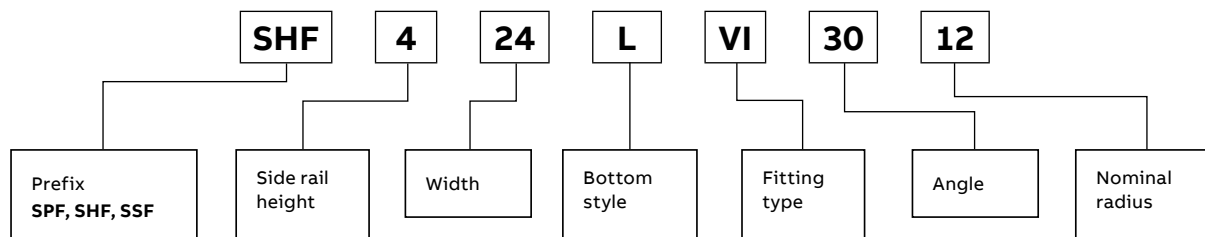
### 30° Vertical bend fittings

#### 30° Vertical bends

|                                                                                                    | Nominal      |             | Cat. no.                  | Dimensions (in.)  |         |        |                   |         |          |         |          |        |
|----------------------------------------------------------------------------------------------------|--------------|-------------|---------------------------|-------------------|---------|--------|-------------------|---------|----------|---------|----------|--------|
|                                                                                                    |              |             |                           | (+ ) VO side rail |         |        | (+ ) VI side rail |         |          |         |          |        |
|                                                                                                    |              |             |                           | 3 7/8 – 7 in.     |         |        | 3 1/2 in.         |         |          | 4 in.   |          |        |
|                                                                                                    | Radius (in.) | Width (in.) |                           | X                 | Y       | Z      | X                 | Y       | Z        | X       | Y        | Z      |
| Outside bend<br> | 12           | 6           | Prefix(t)-06-(*)-(+)30-12 | 6                 | 1 7/8   | 3 3/16 | 7 13/16           | 5 1/4   | 4 3/16   | 8 1/16  | 15 13/16 | 4 5/16 |
|                                                                                                    | 12           | 9           | Prefix(t)-09-(*)-(+)30-12 | 6                 | 1 7/8   | 3 3/16 | 7 13/16           | 5 1/4   | 4 3/16   | 8 1/16  | 15 13/16 | 4 5/16 |
|                                                                                                    | 12           | 12          | Prefix(t)-12-(*)-(+)30-12 | 6                 | 1 7/8   | 3 3/16 | 7 13/16           | 5 1/4   | 4 3/16   | 8 1/16  | 15 13/16 | 4 5/16 |
|                                                                                                    | 12           | 18          | Prefix(t)-18-(*)-(+)30-12 | 6                 | 1 7/8   | 3 3/16 | 7 13/16           | 5 1/4   | 4 3/16   | 8 1/16  | 15 13/16 | 4 5/16 |
|                                                                                                    | 12           | 24          | Prefix(t)-24-(*)-(+)30-12 | 6                 | 1 7/8   | 3 3/16 | 7 13/16           | 5 1/4   | 4 3/16   | 8 1/16  | 15 13/16 | 4 5/16 |
|                                                                                                    | 12           | 30          | Prefix(t)-30-(*)-(+)30-12 | 6                 | 1 7/8   | 3 3/16 | 7 13/16           | 5 1/4   | 4 3/16   | 8 1/16  | 15 13/16 | 4 5/16 |
|                                                                                                    | 12           | 36          | Prefix(t)-36-(*)-(+)30-12 | 6                 | 1 7/8   | 3 3/16 | 7 13/16           | 5 1/4   | 4 3/16   | 8 1/16  | 15 13/16 | 4 5/16 |
|                                                                                                    | 12           | 42          | Prefix(t)-42-(*)-(+)30-12 | 6                 | 1 7/8   | 3 3/16 | 7 13/16           | 5 1/4   | 4 3/16   | 8 1/16  | 15 13/16 | 4 5/16 |
|                                                                                                    | 24           | 6           | Prefix(t)-06-(*)-(+)30-24 | 12                | 3 3/16  | 6 7/16 | 13 13/16          | 6 13/16 | 7 3/8    | 14 1/16 | 7 3/8    | 7 9/16 |
|                                                                                                    | 24           | 9           | Prefix(t)-09-(*)-(+)30-24 | 12                | 3 3/16  | 6 7/16 | 13 13/16          | 6 13/16 | 7 3/8    | 14 1/16 | 7 3/8    | 7 9/16 |
|                                                                                                    | 24           | 12          | Prefix(t)-12-(*)-(+)30-24 | 12                | 3 3/16  | 6 7/16 | 13 13/16          | 6 13/16 | 7 3/8    | 14 1/16 | 7 3/8    | 7 9/16 |
|                                                                                                    | 24           | 18          | Prefix(t)-18-(*)-(+)30-24 | 12                | 3 3/16  | 6 7/16 | 13 13/16          | 6 13/16 | 7 3/8    | 14 1/16 | 7 3/8    | 7 9/16 |
|                                                                                                    | 24           | 24          | Prefix(t)-24-(*)-(+)30-24 | 12                | 3 3/16  | 6 7/16 | 13 13/16          | 6 13/16 | 7 3/8    | 14 1/16 | 7 3/8    | 7 9/16 |
|                                                                                                    | 24           | 30          | Prefix(t)-30-(*)-(+)30-24 | 12                | 3 3/16  | 6 7/16 | 13 13/16          | 6 13/16 | 7 3/8    | 14 1/16 | 7 3/8    | 7 9/16 |
|                                                                                                    | 24           | 36          | Prefix(t)-36-(*)-(+)30-24 | 12                | 3 3/16  | 6 7/16 | 13 13/16          | 6 13/16 | 7 3/8    | 14 1/16 | 7 3/8    | 7 9/16 |
|                                                                                                    | 24           | 42          | Prefix(t)-42-(*)-(+)30-24 | 12                | 3 3/16  | 6 7/16 | 13 13/16          | 6 13/16 | 7 3/8    | 14 1/16 | 7 3/8    | 7 9/16 |
| Inside bend<br> | 36           | 6           | Prefix(t)-06-(*)-(+)30-36 | 18                | 4 13/16 | 9 5/8  | 19 13/16          | 8 7/16  | 10 5/8   | 20 1/16 | 9        | 10 3/4 |
|                                                                                                    | 36           | 9           | Prefix(t)-09-(*)-(+)30-36 | 18                | 4 13/16 | 9 5/8  | 19 13/16          | 8 7/16  | 10 5/8   | 20 1/16 | 9        | 10 3/4 |
|                                                                                                    | 36           | 12          | Prefix(t)-12-(*)-(+)30-36 | 18                | 4 13/16 | 9 5/8  | 19 13/16          | 8 7/16  | 10 5/8   | 20 1/16 | 9        | 10 3/4 |
|                                                                                                    | 36           | 18          | Prefix(t)-18-(*)-(+)30-36 | 18                | 4 13/16 | 9 5/8  | 19 13/16          | 8 7/16  | 10 5/8   | 20 1/16 | 9        | 10 3/4 |
|                                                                                                    | 36           | 24          | Prefix(t)-24-(*)-(+)30-36 | 18                | 4 13/16 | 9 5/8  | 19 13/16          | 8 7/16  | 10 5/8   | 20 1/16 | 9        | 10 3/4 |
|                                                                                                    | 36           | 30          | Prefix(t)-30-(*)-(+)30-36 | 18                | 4 13/16 | 9 5/8  | 19 13/16          | 8 7/16  | 10 5/8   | 20 1/16 | 9        | 10 3/4 |
|                                                                                                    | 36           | 36          | Prefix(t)-36-(*)-(+)30-36 | 18                | 4 13/16 | 9 5/8  | 19 13/16          | 8 7/16  | 10 5/8   | 20 1/16 | 9        | 10 3/4 |
|                                                                                                    | 36           | 42          | Prefix(t)-42-(*)-(+)30-36 | 18                | 4 13/16 | 9 5/8  | 19 13/16          | 8 7/16  | 10 5/8   | 20 1/16 | 9        | 10 3/4 |
|                                                                                                    | 48           | 6           | Prefix(t)-06-(*)-(+)30-48 | 24                | 6 7/16  | 12 7/8 | 25 13/16          | 10 1/16 | 13 13/16 | 26 1/16 | 10 5/8   | 14     |
|                                                                                                    | 48           | 9           | Prefix(t)-09-(*)-(+)30-48 | 24                | 6 7/16  | 12 7/8 | 25 13/16          | 10 1/16 | 13 13/16 | 26 1/16 | 10 5/8   | 14     |
|                                                                                                    | 48           | 12          | Prefix(t)-12-(*)-(+)30-48 | 24                | 6 7/16  | 12 7/8 | 25 13/16          | 10 1/16 | 13 13/16 | 26 1/16 | 10 5/8   | 14     |
|                                                                                                    | 48           | 18          | Prefix(t)-18-(*)-(+)30-48 | 24                | 6 7/16  | 12 7/8 | 25 13/16          | 10 1/16 | 13 13/16 | 26 1/16 | 10 5/8   | 14     |
|                                                                                                    | 48           | 24          | Prefix(t)-24-(*)-(+)30-48 | 24                | 6 7/16  | 12 7/8 | 25 13/16          | 10 1/16 | 13 13/16 | 26 1/16 | 10 5/8   | 14     |
|                                                                                                    | 48           | 30          | Prefix(t)-30-(*)-(+)30-48 | 24                | 6 7/16  | 12 7/8 | 25 13/16          | 10 1/16 | 13 13/16 | 26 1/16 | 10 5/8   | 14     |
|                                                                                                    | 48           | 36          | Prefix(t)-36-(*)-(+)30-48 | 24                | 6 7/16  | 12 7/8 | 25 13/16          | 10 1/16 | 13 13/16 | 26 1/16 | 10 5/8   | 14     |
|                                                                                                    | 48           | 42          | Prefix(t)-42-(*)-(+)30-48 | 24                | 6 7/16  | 12 7/8 | 25 13/16          | 10 1/16 | 13 13/16 | 26 1/16 | 10 5/8   | 14     |

(t) Insert side rail height. (\*) Insert bottom (+) Insert "VO" for vertical outside or "VI" for vertical inside style to complete cat. no. Includes 1 pair of splice plates with hardware.

#### Part numbering system



### 30° Vertical bends (continued)

|                 |                |                           | Dimensions (in.)                |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                  |
|-----------------|----------------|---------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------------|
|                 |                |                           | (+ ) VI side rail               |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                  |
| Nominal         |                |                           | 5 in.                           |                                 |                                 | 6 in.                           |                                 |                                 | 7 in.                           |                                 |                                  |
| Radius<br>(in.) | Width<br>(in.) | Cat. no.                  | X                               | Y                               | Z                               | X                               | Y                               | Z                               | X                               | Y                               | Z                                |
| 12              | 6              | Prefix(t)-06-(*)-(+)30-12 | 8 <sup>9</sup> / <sub>16</sub>  | 6 <sup>13</sup> / <sub>16</sub> | 4 <sup>5</sup> / <sub>8</sub>   | 9 <sup>1</sup> / <sub>16</sub>  | 7 <sup>13</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   | 9 <sup>9</sup> / <sub>16</sub>  | 8 <sup>13</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>8</sub>    |
| 12              | 9              | Prefix(t)-09-(*)-(+)30-12 | 8 <sup>9</sup> / <sub>16</sub>  | 6 <sup>13</sup> / <sub>16</sub> | 4 <sup>5</sup> / <sub>8</sub>   | 9 <sup>1</sup> / <sub>16</sub>  | 7 <sup>13</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   | 9 <sup>9</sup> / <sub>16</sub>  | 8 <sup>13</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>8</sub>    |
| 12              | 12             | Prefix(t)-12-(*)-(+)30-12 | 8 <sup>9</sup> / <sub>16</sub>  | 6 <sup>13</sup> / <sub>16</sub> | 4 <sup>5</sup> / <sub>8</sub>   | 9 <sup>1</sup> / <sub>16</sub>  | 7 <sup>13</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   | 9 <sup>9</sup> / <sub>16</sub>  | 8 <sup>13</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>8</sub>    |
| 12              | 18             | Prefix(t)-18-(*)-(+)30-12 | 8 <sup>9</sup> / <sub>16</sub>  | 6 <sup>13</sup> / <sub>16</sub> | 4 <sup>5</sup> / <sub>8</sub>   | 9 <sup>1</sup> / <sub>16</sub>  | 7 <sup>13</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   | 9 <sup>9</sup> / <sub>16</sub>  | 8 <sup>13</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>8</sub>    |
| 12              | 24             | Prefix(t)-24-(*)-(+)30-12 | 8 <sup>9</sup> / <sub>16</sub>  | 6 <sup>13</sup> / <sub>16</sub> | 4 <sup>5</sup> / <sub>8</sub>   | 9 <sup>1</sup> / <sub>16</sub>  | 7 <sup>13</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   | 9 <sup>9</sup> / <sub>16</sub>  | 8 <sup>13</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>8</sub>    |
| 12              | 30             | Prefix(t)-30-(*)-(+)30-12 | 8 <sup>9</sup> / <sub>16</sub>  | 6 <sup>13</sup> / <sub>16</sub> | 4 <sup>5</sup> / <sub>8</sub>   | 9 <sup>1</sup> / <sub>16</sub>  | 7 <sup>13</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   | 9 <sup>9</sup> / <sub>16</sub>  | 8 <sup>13</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>8</sub>    |
| 12              | 36             | Prefix(t)-36-(*)-(+)30-12 | 8 <sup>9</sup> / <sub>16</sub>  | 6 <sup>13</sup> / <sub>16</sub> | 4 <sup>5</sup> / <sub>8</sub>   | 9 <sup>1</sup> / <sub>16</sub>  | 7 <sup>13</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   | 9 <sup>9</sup> / <sub>16</sub>  | 8 <sup>13</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>8</sub>    |
| 12              | 42             | Prefix(t)-42-(*)-(+)30-12 | 8 <sup>9</sup> / <sub>16</sub>  | 6 <sup>13</sup> / <sub>16</sub> | 4 <sup>5</sup> / <sub>8</sub>   | 9 <sup>1</sup> / <sub>16</sub>  | 7 <sup>13</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   | 9 <sup>9</sup> / <sub>16</sub>  | 8 <sup>13</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>8</sub>    |
| 24              | 6              | Prefix(t)-06-(*)-(+)30-24 | 14 <sup>9</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>8</sub>   | 7 <sup>13</sup> / <sub>16</sub> | 15 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>   | 8 <sup>3</sup> / <sub>16</sub>  | 15 <sup>5</sup> / <sub>16</sub> | 10 <sup>3</sup> / <sub>8</sub>  | 8 <sup>3</sup> / <sub>8</sub>    |
| 24              | 9              | Prefix(t)-09-(*)-(+)30-24 | 14 <sup>9</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>8</sub>   | 7 <sup>13</sup> / <sub>16</sub> | 15 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>   | 8 <sup>3</sup> / <sub>16</sub>  | 15 <sup>5</sup> / <sub>16</sub> | 10 <sup>3</sup> / <sub>8</sub>  | 8 <sup>3</sup> / <sub>8</sub>    |
| 24              | 12             | Prefix(t)-12-(*)-(+)30-24 | 14 <sup>9</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>8</sub>   | 7 <sup>13</sup> / <sub>16</sub> | 15 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>   | 8 <sup>3</sup> / <sub>16</sub>  | 15 <sup>5</sup> / <sub>16</sub> | 10 <sup>3</sup> / <sub>8</sub>  | 8 <sup>3</sup> / <sub>8</sub>    |
| 24              | 18             | Prefix(t)-18-(*)-(+)30-24 | 14 <sup>9</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>8</sub>   | 7 <sup>13</sup> / <sub>16</sub> | 15 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>   | 8 <sup>3</sup> / <sub>16</sub>  | 15 <sup>5</sup> / <sub>16</sub> | 10 <sup>3</sup> / <sub>8</sub>  | 8 <sup>3</sup> / <sub>8</sub>    |
| 24              | 24             | Prefix(t)-24-(*)-(+)30-24 | 14 <sup>9</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>8</sub>   | 7 <sup>13</sup> / <sub>16</sub> | 15 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>   | 8 <sup>3</sup> / <sub>16</sub>  | 15 <sup>5</sup> / <sub>16</sub> | 10 <sup>3</sup> / <sub>8</sub>  | 8 <sup>3</sup> / <sub>8</sub>    |
| 24              | 30             | Prefix(t)-30-(*)-(+)30-24 | 14 <sup>9</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>8</sub>   | 7 <sup>13</sup> / <sub>16</sub> | 15 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>   | 8 <sup>3</sup> / <sub>16</sub>  | 15 <sup>5</sup> / <sub>16</sub> | 10 <sup>3</sup> / <sub>8</sub>  | 8 <sup>3</sup> / <sub>8</sub>    |
| 24              | 36             | Prefix(t)-36-(*)-(+)30-24 | 14 <sup>9</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>8</sub>   | 7 <sup>13</sup> / <sub>16</sub> | 15 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>   | 8 <sup>3</sup> / <sub>16</sub>  | 15 <sup>5</sup> / <sub>16</sub> | 10 <sup>3</sup> / <sub>8</sub>  | 8 <sup>3</sup> / <sub>8</sub>    |
| 24              | 42             | Prefix(t)-42-(*)-(+)30-24 | 14 <sup>9</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>8</sub>   | 7 <sup>13</sup> / <sub>16</sub> | 15 <sup>1</sup> / <sub>16</sub> | 9 <sup>3</sup> / <sub>8</sub>   | 8 <sup>3</sup> / <sub>16</sub>  | 15 <sup>5</sup> / <sub>16</sub> | 10 <sup>3</sup> / <sub>8</sub>  | 8 <sup>3</sup> / <sub>8</sub>    |
| 36              | 6              | Prefix(t)-06-(*)-(+)30-36 | 20 <sup>1</sup> / <sub>16</sub> | 10                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 11                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 12                              | 11 <sup>1</sup> / <sub>16</sub>  |
| 36              | 9              | Prefix(t)-09-(*)-(+)30-36 | 20 <sup>1</sup> / <sub>16</sub> | 10                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 11                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 12                              | 11 <sup>1</sup> / <sub>16</sub>  |
| 36              | 12             | Prefix(t)-12-(*)-(+)30-36 | 20 <sup>1</sup> / <sub>16</sub> | 10                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 11                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 12                              | 11 <sup>1</sup> / <sub>16</sub>  |
| 36              | 18             | Prefix(t)-18-(*)-(+)30-36 | 20 <sup>1</sup> / <sub>16</sub> | 10                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 11                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 12                              | 11 <sup>1</sup> / <sub>16</sub>  |
| 36              | 24             | Prefix(t)-24-(*)-(+)30-36 | 20 <sup>1</sup> / <sub>16</sub> | 10                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 11                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 12                              | 11 <sup>1</sup> / <sub>16</sub>  |
| 36              | 30             | Prefix(t)-30-(*)-(+)30-36 | 20 <sup>1</sup> / <sub>16</sub> | 10                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 11                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 12                              | 11 <sup>1</sup> / <sub>16</sub>  |
| 36              | 36             | Prefix(t)-36-(*)-(+)30-36 | 20 <sup>1</sup> / <sub>16</sub> | 10                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 11                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 12                              | 11 <sup>1</sup> / <sub>16</sub>  |
| 36              | 42             | Prefix(t)-42-(*)-(+)30-36 | 20 <sup>1</sup> / <sub>16</sub> | 10                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 11                              | 11 <sup>1</sup> / <sub>16</sub> | 21 <sup>1</sup> / <sub>16</sub> | 12                              | 11 <sup>1</sup> / <sub>16</sub>  |
| 48              | 6              | Prefix(t)-06-(*)-(+)30-48 | 26 <sup>9</sup> / <sub>16</sub> | 11 <sup>9</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>4</sub>  | 27 <sup>1</sup> / <sub>16</sub> | 12 <sup>5</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 27 <sup>7</sup> / <sub>16</sub> | 13 <sup>5</sup> / <sub>8</sub>  | 14 <sup>13</sup> / <sub>16</sub> |
| 48              | 9              | Prefix(t)-09-(*)-(+)30-48 | 26 <sup>9</sup> / <sub>16</sub> | 11 <sup>9</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>4</sub>  | 27 <sup>1</sup> / <sub>16</sub> | 12 <sup>5</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 27 <sup>7</sup> / <sub>16</sub> | 13 <sup>5</sup> / <sub>8</sub>  | 14 <sup>13</sup> / <sub>16</sub> |
| 48              | 12             | Prefix(t)-12-(*)-(+)30-48 | 26 <sup>9</sup> / <sub>16</sub> | 11 <sup>9</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>4</sub>  | 27 <sup>1</sup> / <sub>16</sub> | 12 <sup>5</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 27 <sup>7</sup> / <sub>16</sub> | 13 <sup>5</sup> / <sub>8</sub>  | 14 <sup>13</sup> / <sub>16</sub> |
| 48              | 18             | Prefix(t)-18-(*)-(+)30-48 | 26 <sup>9</sup> / <sub>16</sub> | 11 <sup>9</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>4</sub>  | 27 <sup>1</sup> / <sub>16</sub> | 12 <sup>5</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 27 <sup>7</sup> / <sub>16</sub> | 13 <sup>5</sup> / <sub>8</sub>  | 14 <sup>13</sup> / <sub>16</sub> |
| 48              | 24             | Prefix(t)-24-(*)-(+)30-48 | 26 <sup>9</sup> / <sub>16</sub> | 11 <sup>9</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>4</sub>  | 27 <sup>1</sup> / <sub>16</sub> | 12 <sup>5</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 27 <sup>7</sup> / <sub>16</sub> | 13 <sup>5</sup> / <sub>8</sub>  | 14 <sup>13</sup> / <sub>16</sub> |
| 48              | 30             | Prefix(t)-30-(*)-(+)30-48 | 26 <sup>9</sup> / <sub>16</sub> | 11 <sup>9</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>4</sub>  | 27 <sup>1</sup> / <sub>16</sub> | 12 <sup>5</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 27 <sup>7</sup> / <sub>16</sub> | 13 <sup>5</sup> / <sub>8</sub>  | 14 <sup>13</sup> / <sub>16</sub> |
| 48              | 36             | Prefix(t)-36-(*)-(+)30-48 | 26 <sup>9</sup> / <sub>16</sub> | 11 <sup>9</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>4</sub>  | 27 <sup>1</sup> / <sub>16</sub> | 12 <sup>5</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 27 <sup>7</sup> / <sub>16</sub> | 13 <sup>5</sup> / <sub>8</sub>  | 14 <sup>13</sup> / <sub>16</sub> |
| 48              | 42             | Prefix(t)-42-(*)-(+)30-48 | 26 <sup>9</sup> / <sub>16</sub> | 11 <sup>9</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>4</sub>  | 27 <sup>1</sup> / <sub>16</sub> | 12 <sup>5</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>2</sub>  | 27 <sup>7</sup> / <sub>16</sub> | 13 <sup>5</sup> / <sub>8</sub>  | 14 <sup>13</sup> / <sub>16</sub> |

(t) Insert side rail height. (\*) Insert bottom (+) Insert "VO" for vertical outside or "VI" for vertical inside style to complete cat. no. Includes 1 pair of splice plates with hardware.

### Selection guide

- Prefix: SPF (pregalv.), SHF (hot-dip), SSF (stainless steel)
- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Angle: 30°
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 3 in., 4 in., 5 in., 6 in., 7 in.



## Steel fittings

### Reducer fittings

Offset reducer – left



Reducer – straight



Offset reducer – right



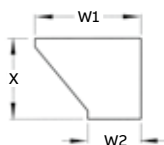
#### Selection guide

- Prefix: SPF (pregalv.), SHF (hot-dip), SSF (stainless steel)
- Tray widths W1: 42, 36, 30, 24, 18, 12, 9 in.
- Tray widths W2: 36, 30, 24, 18, 12, 9, 6 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 3 in., 4 in., 5 in., 6 in., 7 in.

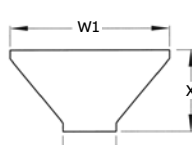
#### Horizontal reducer

| Widths (in.) |    | Left reducer<br>cat. no. | Dim. X (in.)                     | Straight reducer<br>(concentric) cat. no. | Dim. X (in.)                     | Right reducer<br>cat. no. | Dim. X (in.)                     |
|--------------|----|--------------------------|----------------------------------|-------------------------------------------|----------------------------------|---------------------------|----------------------------------|
| W1           | W2 |                          |                                  |                                           |                                  |                           |                                  |
| 42           | 36 | Prefix(t)-42-36-(*)-HLR  | 15 <sup>7</sup> / <sub>16</sub>  | Prefix(t)-42-36-(*)-HSR                   | 13 <sup>3</sup> / <sub>4</sub>   | Prefix(t)-42-36-(*)-HRR   | 15 <sup>7</sup> / <sub>16</sub>  |
| 42           | 30 | Prefix(t)-42-30-(*)-HLR  | 18 <sup>15</sup> / <sub>16</sub> | Prefix(t)-42-30-(*)-HSR                   | 15 <sup>7</sup> / <sub>16</sub>  | Prefix(t)-42-30-(*)-HRR   | 18 <sup>15</sup> / <sub>16</sub> |
| 42           | 24 | Prefix(t)-42-24-(*)-HLR  | 22 <sup>3</sup> / <sub>8</sub>   | Prefix(t)-42-24-(*)-HSR                   | 17 <sup>3</sup> / <sub>16</sub>  | Prefix(t)-42-24-(*)-HRR   | 22 <sup>3</sup> / <sub>8</sub>   |
| 42           | 18 | Prefix(t)-42-18-(*)-HLR  | 25 <sup>7</sup> / <sub>8</sub>   | Prefix(t)-42-18-(*)-HSR                   | 18 <sup>5</sup> / <sub>16</sub>  | Prefix(t)-42-18-(*)-HRR   | 25 <sup>7</sup> / <sub>8</sub>   |
| 42           | 12 | Prefix(t)-42-12-(*)-HLR  | 29 <sup>5</sup> / <sub>16</sub>  | Prefix(t)-42-12-(*)-HSR                   | 20 <sup>9</sup> / <sub>16</sub>  | Prefix(t)-42-12-(*)-HRR   | 29 <sup>5</sup> / <sub>16</sub>  |
| 42           | 9  | Prefix(t)-42-09-(*)-HLR  | 31 <sup>1</sup> / <sub>16</sub>  | Prefix(t)-42-09-(*)-HSR                   | 21 <sup>1</sup> / <sub>2</sub>   | Prefix(t)-42-09-(*)-HRR   | 31 <sup>1</sup> / <sub>16</sub>  |
| 42           | 6  | Prefix(t)-42-06-(*)-HLR  | 32 <sup>3</sup> / <sub>4</sub>   | Prefix(t)-42-06-(*)-HSR                   | 22 <sup>3</sup> / <sub>8</sub>   | Prefix(t)-42-06-(*)-HRR   | 32 <sup>3</sup> / <sub>4</sub>   |
| 36           | 30 | Prefix(t)-36-30-(*)-HLR  | 15 <sup>7</sup> / <sub>16</sub>  | Prefix(t)-36-30-(*)-HSR                   | 13 <sup>3</sup> / <sub>4</sub>   | Prefix(t)-36-30-(*)-HRR   | 15 <sup>7</sup> / <sub>16</sub>  |
| 36           | 24 | Prefix(t)-36-24-(*)-HLR  | 18 <sup>15</sup> / <sub>16</sub> | Prefix(t)-36-24-(*)-HSR                   | 15 <sup>7</sup> / <sub>16</sub>  | Prefix(t)-36-24-(*)-HRR   | 18 <sup>15</sup> / <sub>16</sub> |
| 36           | 18 | Prefix(t)-36-18-(*)-HLR  | 22 <sup>3</sup> / <sub>8</sub>   | Prefix(t)-36-18-(*)-HSR                   | 17 <sup>3</sup> / <sub>16</sub>  | Prefix(t)-36-18-(*)-HRR   | 22 <sup>3</sup> / <sub>8</sub>   |
| 36           | 12 | Prefix(t)-36-12-(*)-HLR  | 25 <sup>7</sup> / <sub>8</sub>   | Prefix(t)-36-12-(*)-HSR                   | 18 <sup>5</sup> / <sub>16</sub>  | Prefix(t)-36-12-(*)-HRR   | 25 <sup>7</sup> / <sub>8</sub>   |
| 36           | 9  | Prefix(t)-36-09-(*)-HLR  | 27 <sup>9</sup> / <sub>16</sub>  | Prefix(t)-36-09-(*)-HSR                   | 19 <sup>13</sup> / <sub>16</sub> | Prefix(t)-36-09-(*)-HRR   | 27 <sup>9</sup> / <sub>16</sub>  |
| 36           | 6  | Prefix(t)-36-06-(*)-HLR  | 29 <sup>5</sup> / <sub>16</sub>  | Prefix(t)-36-06-(*)-HSR                   | 20 <sup>11</sup> / <sub>16</sub> | Prefix(t)-36-06-(*)-HRR   | 29 <sup>5</sup> / <sub>16</sub>  |
| 30           | 24 | Prefix(t)-30-24-(*)-HLR  | 15 <sup>7</sup> / <sub>16</sub>  | Prefix(t)-30-24-(*)-HSR                   | 13 <sup>3</sup> / <sub>4</sub>   | Prefix(t)-30-24-(*)-HRR   | 15 <sup>7</sup> / <sub>16</sub>  |
| 30           | 18 | Prefix(t)-30-18-(*)-HLR  | 18 <sup>15</sup> / <sub>16</sub> | Prefix(t)-30-18-(*)-HSR                   | 15 <sup>7</sup> / <sub>16</sub>  | Prefix(t)-30-18-(*)-HRR   | 18 <sup>15</sup> / <sub>16</sub> |
| 30           | 12 | Prefix(t)-30-12-(*)-HLR  | 22 <sup>3</sup> / <sub>8</sub>   | Prefix(t)-30-12-(*)-HSR                   | 17 <sup>3</sup> / <sub>16</sub>  | Prefix(t)-30-12-(*)-HRR   | 22 <sup>3</sup> / <sub>8</sub>   |
| 30           | 9  | Prefix(t)-30-09-(*)-HLR  | 24 <sup>1</sup> / <sub>8</sub>   | Prefix(t)-30-09-(*)-HSR                   | 18 <sup>3</sup> / <sub>16</sub>  | Prefix(t)-30-09-(*)-HRR   | 24 <sup>1</sup> / <sub>8</sub>   |
| 30           | 6  | Prefix(t)-30-06-(*)-HLR  | 25 <sup>7</sup> / <sub>8</sub>   | Prefix(t)-30-06-(*)-HSR                   | 18 <sup>15</sup> / <sub>16</sub> | Prefix(t)-30-06-(*)-HRR   | 25 <sup>7</sup> / <sub>8</sub>   |
| 24           | 18 | Prefix(t)-24-18-(*)-HLR  | 15 <sup>7</sup> / <sub>16</sub>  | Prefix(t)-24-18-(*)-HSR                   | 13 <sup>3</sup> / <sub>4</sub>   | Prefix(t)-24-18-(*)-HRR   | 15 <sup>7</sup> / <sub>16</sub>  |
| 24           | 12 | Prefix(t)-24-12-(*)-HLR  | 18 <sup>15</sup> / <sub>16</sub> | Prefix(t)-24-12-(*)-HSR                   | 15 <sup>7</sup> / <sub>16</sub>  | Prefix(t)-24-12-(*)-HRR   | 18 <sup>15</sup> / <sub>16</sub> |
| 24           | 9  | Prefix(t)-24-09-(*)-HLR  | 20 <sup>11</sup> / <sub>16</sub> | Prefix(t)-24-09-(*)-HSR                   | 16 <sup>5</sup> / <sub>16</sub>  | Prefix(t)-24-09-(*)-HRR   | 20 <sup>11</sup> / <sub>16</sub> |
| 24           | 6  | Prefix(t)-24-06-(*)-HLR  | 22 <sup>3</sup> / <sub>8</sub>   | Prefix(t)-24-06-(*)-HSR                   | 17 <sup>3</sup> / <sub>16</sub>  | Prefix(t)-24-06-(*)-HRR   | 22 <sup>3</sup> / <sub>8</sub>   |
| 18           | 12 | Prefix(t)-18-12-(*)-HLR  | 15 <sup>7</sup> / <sub>16</sub>  | Prefix(t)-18-12-(*)-HSR                   | 13 <sup>3</sup> / <sub>4</sub>   | Prefix(t)-18-12-(*)-HRR   | 15 <sup>7</sup> / <sub>16</sub>  |
| 18           | 9  | Prefix(t)-18-09-(*)-HLR  | 17 <sup>3</sup> / <sub>16</sub>  | Prefix(t)-18-09-(*)-HSR                   | 14 <sup>5</sup> / <sub>16</sub>  | Prefix(t)-18-09-(*)-HRR   | 17 <sup>3</sup> / <sub>16</sub>  |
| 18           | 6  | Prefix(t)-18-06-(*)-HLR  | 18 <sup>15</sup> / <sub>16</sub> | Prefix(t)-18-06-(*)-HSR                   | 15 <sup>7</sup> / <sub>16</sub>  | Prefix(t)-18-06-(*)-HRR   | 18 <sup>15</sup> / <sub>16</sub> |
| 12           | 9  | Prefix(t)-12-09-(*)-HLR  | 13 <sup>3</sup> / <sub>4</sub>   | Prefix(t)-12-09-(*)-HSR                   | 12 <sup>7</sup> / <sub>8</sub>   | Prefix(t)-12-09-(*)-HRR   | 13 <sup>3</sup> / <sub>4</sub>   |
| 12           | 6  | Prefix(t)-12-06-(*)-HLR  | 15 <sup>7</sup> / <sub>16</sub>  | Prefix(t)-12-06-(*)-HSR                   | 13 <sup>3</sup> / <sub>4</sub>   | Prefix(t)-12-06-(*)-HRR   | 15 <sup>7</sup> / <sub>16</sub>  |
| 9            | 6  | Prefix(t)-09-06-(*)-HLR  | 13 <sup>3</sup> / <sub>4</sub>   | Prefix(t)-09-06-(*)-HSR                   | 12 <sup>7</sup> / <sub>8</sub>   | Prefix(t)-09-06-(*)-HRR   | 13 <sup>3</sup> / <sub>4</sub>   |

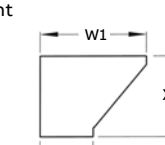
Offset reducer – left



Reducer – straight



Offset reducer – right



(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.



## Steel fittings

### 45° Horizontal wye fittings



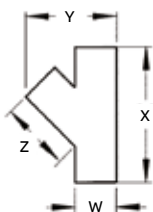
#### Selection guide

- Prefix: SPF (pregalv.), SHF (hot-dip), SSF (stainless steel)
- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 3 in., 4 in., 5 in., 6 in., 7 in.

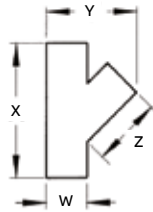
#### 45° Horizontal wye

| Width (in.) | Left-hand wye<br>cat. no. | Right-hand wye<br>cat. no. | Dimensions (in.)                 |                                  |                                 |
|-------------|---------------------------|----------------------------|----------------------------------|----------------------------------|---------------------------------|
|             |                           |                            | X                                | Y                                | Z                               |
| 6           | Prefix(t)-06-(*)-HYL      | Prefix(t)-06-(*)-HYR       | 18 <sup>9</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>16</sub> |
| 9           | Prefix(t)-09-(*)-HYL      | Prefix(t)-09-(*)-HYR       | 22 <sup>1</sup> / <sub>2</sub>   | 19 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub> |
| 12          | Prefix(t)-12-(*)-HYL      | Prefix(t)-12-(*)-HYR       | 26 <sup>3</sup> / <sub>4</sub>   | 25                               | 18 <sup>7</sup> / <sub>16</sub> |
| 18          | Prefix(t)-18-(*)-HYL      | Prefix(t)-18-(*)-HYR       | 35 <sup>1</sup> / <sub>4</sub>   | 35 <sup>1</sup> / <sub>4</sub>   | 24 <sup>7</sup> / <sub>16</sub> |
| 24          | Prefix(t)-24-(*)-HYL      | Prefix(t)-24-(*)-HYR       | 43 <sup>1</sup> / <sub>2</sub>   | 45 <sup>1</sup> / <sub>2</sub>   | 30 <sup>7</sup> / <sub>16</sub> |
| 30          | Prefix(t)-30-(*)-HYL      | Prefix(t)-30-(*)-HYR       | 52 <sup>1</sup> / <sub>4</sub>   | 55 <sup>3</sup> / <sub>4</sub>   | 36 <sup>7</sup> / <sub>16</sub> |
| 36          | Prefix(t)-36-(*)-HYL      | Prefix(t)-36-(*)-HYR       | 60 <sup>11</sup> / <sub>16</sub> | 66                               | 42 <sup>7</sup> / <sub>16</sub> |
| 42          | Prefix(t)-42-(*)-HYL      | Prefix(t)-42-(*)-HYR       | 69 <sup>9</sup> / <sub>16</sub>  | 76 <sup>1</sup> / <sub>4</sub>   | 45 <sup>7</sup> / <sub>16</sub> |

Left-hand wye

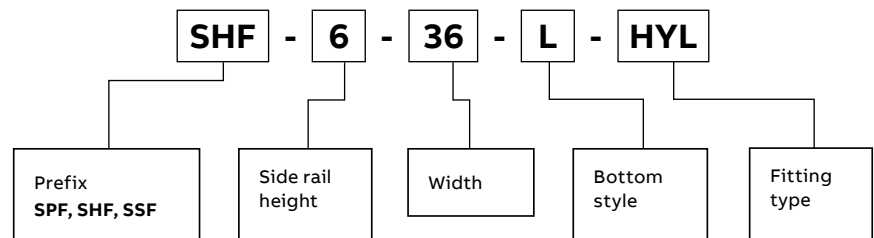


Right-hand wye

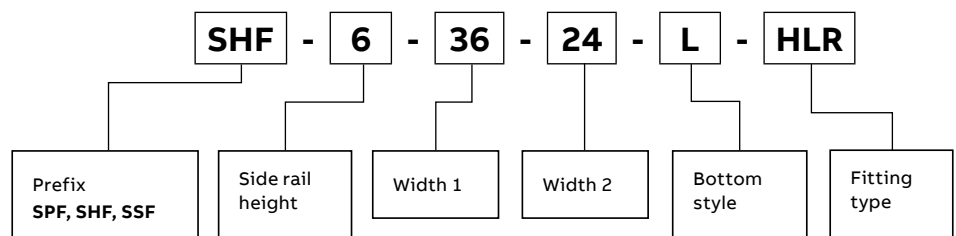


(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

#### Part numbering system (45° Horizontal wye)



#### Part numbering system (Horizontal reducer – see page 146)



## Steel fittings

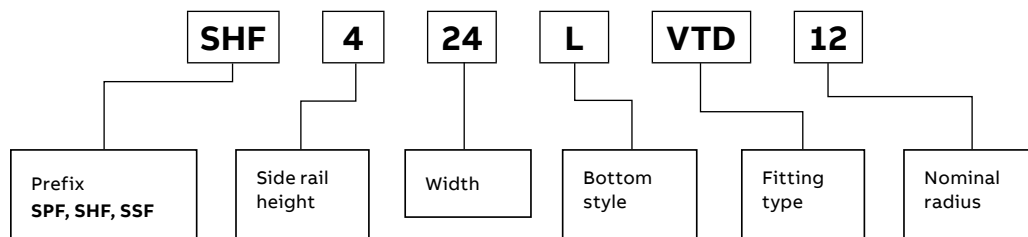
### Vertical tee up/down fittings

#### Vertical tee up/down

|      | Nominal         |                | Vertical tee up<br>cat. no. | Vertical tee down<br>cat. no. | Dimensions (in.)                 |                                |                                |                                  |
|------|-----------------|----------------|-----------------------------|-------------------------------|----------------------------------|--------------------------------|--------------------------------|----------------------------------|
|      |                 |                |                             |                               | Side rail height "H"             |                                |                                |                                  |
|      |                 |                |                             |                               | 3 1/2 in.                        |                                | 4 in.                          |                                  |
|      | Radius<br>(in.) | Width<br>(in.) |                             |                               | X                                | Y                              | X                              | Y                                |
| Up   | 12              | 6              | Prefix(t)-06-(*)-VTU12      | Prefix(t)-06-(*)-VTD12        | 13 <sup>13</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>8</sub> | 14 <sup>1</sup> / <sub>8</sub> | 28 <sup>3</sup> / <sub>16</sub>  |
|      | 12              | 9              | Prefix(t)-09-(*)-VTU12      | Prefix(t)-09-(*)-VTD12        | 13 <sup>13</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>8</sub> | 14 <sup>1</sup> / <sub>8</sub> | 28 <sup>3</sup> / <sub>16</sub>  |
|      | 12              | 12             | Prefix(t)-12-(*)-VTU12      | Prefix(t)-12-(*)-VTD12        | 13 <sup>13</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>8</sub> | 14 <sup>1</sup> / <sub>8</sub> | 28 <sup>3</sup> / <sub>16</sub>  |
|      | 12              | 18             | Prefix(t)-18-(*)-VTU12      | Prefix(t)-18-(*)-VTD12        | 13 <sup>13</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>8</sub> | 14 <sup>1</sup> / <sub>8</sub> | 28 <sup>3</sup> / <sub>16</sub>  |
|      | 12              | 24             | Prefix(t)-24-(*)-VTU12      | Prefix(t)-24-(*)-VTD12        | 13 <sup>13</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>8</sub> | 14 <sup>1</sup> / <sub>8</sub> | 28 <sup>3</sup> / <sub>16</sub>  |
|      | 12              | 30             | Prefix(t)-30-(*)-VTU12      | Prefix(t)-30-(*)-VTD12        | 13 <sup>13</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>8</sub> | 14 <sup>1</sup> / <sub>8</sub> | 28 <sup>3</sup> / <sub>16</sub>  |
|      | 12              | 36             | Prefix(t)-36-(*)-VTU12      | Prefix(t)-36-(*)-VTD12        | 13 <sup>13</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>8</sub> | 14 <sup>1</sup> / <sub>8</sub> | 28 <sup>3</sup> / <sub>16</sub>  |
|      | 12              | 42             | Prefix(t)-42-(*)-VTU12      | Prefix(t)-42-(*)-VTD12        | 13 <sup>13</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>8</sub> | 14 <sup>1</sup> / <sub>8</sub> | 28 <sup>3</sup> / <sub>16</sub>  |
|      | 24              | 6              | Prefix(t)-06-(*)-VTU24      | Prefix(t)-06-(*)-VTD24        | 25 <sup>13</sup> / <sub>16</sub> | 51 <sup>5</sup> / <sub>8</sub> | 26 <sup>3</sup> / <sub>8</sub> | 52 <sup>3</sup> / <sub>16</sub>  |
|      | 24              | 9              | Prefix(t)-09-(*)-VTU24      | Prefix(t)-09-(*)-VTD24        | 25 <sup>13</sup> / <sub>16</sub> | 51 <sup>5</sup> / <sub>8</sub> | 26 <sup>3</sup> / <sub>8</sub> | 52 <sup>3</sup> / <sub>16</sub>  |
|      | 24              | 12             | Prefix(t)-12-(*)-VTU24      | Prefix(t)-12-(*)-VTD24        | 25 <sup>13</sup> / <sub>16</sub> | 51 <sup>5</sup> / <sub>8</sub> | 26 <sup>3</sup> / <sub>8</sub> | 52 <sup>3</sup> / <sub>16</sub>  |
|      | 24              | 18             | Prefix(t)-18-(*)-VTU24      | Prefix(t)-18-(*)-VTD24        | 25 <sup>13</sup> / <sub>16</sub> | 51 <sup>5</sup> / <sub>8</sub> | 26 <sup>3</sup> / <sub>8</sub> | 52 <sup>3</sup> / <sub>16</sub>  |
| Down | 24              | 24             | Prefix(t)-24-(*)-VTU24      | Prefix(t)-24-(*)-VTD24        | 25 <sup>13</sup> / <sub>16</sub> | 51 <sup>5</sup> / <sub>8</sub> | 26 <sup>3</sup> / <sub>8</sub> | 52 <sup>3</sup> / <sub>16</sub>  |
|      | 24              | 30             | Prefix(t)-30-(*)-VTU24      | Prefix(t)-30-(*)-VTD24        | 25 <sup>13</sup> / <sub>16</sub> | 51 <sup>5</sup> / <sub>8</sub> | 26 <sup>3</sup> / <sub>8</sub> | 52 <sup>3</sup> / <sub>16</sub>  |
|      | 24              | 36             | Prefix(t)-36-(*)-VTU24      | Prefix(t)-36-(*)-VTD24        | 25 <sup>13</sup> / <sub>16</sub> | 51 <sup>5</sup> / <sub>8</sub> | 26 <sup>3</sup> / <sub>8</sub> | 52 <sup>3</sup> / <sub>16</sub>  |
|      | 24              | 42             | Prefix(t)-42-(*)-VTU24      | Prefix(t)-42-(*)-VTD24        | 25 <sup>13</sup> / <sub>16</sub> | 51 <sup>5</sup> / <sub>8</sub> | 26 <sup>3</sup> / <sub>8</sub> | 52 <sup>3</sup> / <sub>16</sub>  |
|      | 36              | 6              | Prefix(t)-06-(*)-VTU36      | Prefix(t)-06-(*)-VTD36        | 37 <sup>13</sup> / <sub>16</sub> | 75 <sup>5</sup> / <sub>8</sub> | 38 <sup>3</sup> / <sub>8</sub> | 76 <sup>3</sup> / <sub>16</sub>  |
|      | 36              | 9              | Prefix(t)-09-(*)-VTU36      | Prefix(t)-09-(*)-VTD36        | 37 <sup>13</sup> / <sub>16</sub> | 75 <sup>5</sup> / <sub>8</sub> | 38 <sup>3</sup> / <sub>8</sub> | 76 <sup>3</sup> / <sub>16</sub>  |
|      | 36              | 12             | Prefix(t)-12-(*)-VTU36      | Prefix(t)-12-(*)-VTD36        | 37 <sup>13</sup> / <sub>16</sub> | 75 <sup>5</sup> / <sub>8</sub> | 38 <sup>3</sup> / <sub>8</sub> | 76 <sup>3</sup> / <sub>16</sub>  |
|      | 36              | 18             | Prefix(t)-18-(*)-VTU36      | Prefix(t)-18-(*)-VTD36        | 37 <sup>13</sup> / <sub>16</sub> | 75 <sup>5</sup> / <sub>8</sub> | 38 <sup>3</sup> / <sub>8</sub> | 76 <sup>3</sup> / <sub>16</sub>  |
|      | 36              | 24             | Prefix(t)-24-(*)-VTU36      | Prefix(t)-24-(*)-VTD36        | 37 <sup>13</sup> / <sub>16</sub> | 75 <sup>5</sup> / <sub>8</sub> | 38 <sup>3</sup> / <sub>8</sub> | 76 <sup>3</sup> / <sub>16</sub>  |
|      | 36              | 30             | Prefix(t)-30-(*)-VTU36      | Prefix(t)-30-(*)-VTD36        | 37 <sup>13</sup> / <sub>16</sub> | 75 <sup>5</sup> / <sub>8</sub> | 38 <sup>3</sup> / <sub>8</sub> | 76 <sup>3</sup> / <sub>16</sub>  |
|      | 36              | 36             | Prefix(t)-36-(*)-VTU36      | Prefix(t)-36-(*)-VTD36        | 37 <sup>13</sup> / <sub>16</sub> | 75 <sup>5</sup> / <sub>8</sub> | 38 <sup>3</sup> / <sub>8</sub> | 76 <sup>3</sup> / <sub>16</sub>  |
|      | 36              | 42             | Prefix(t)-42-(*)-VTU36      | Prefix(t)-42-(*)-VTD36        | 37 <sup>13</sup> / <sub>16</sub> | 75 <sup>5</sup> / <sub>8</sub> | 38 <sup>3</sup> / <sub>8</sub> | 76 <sup>3</sup> / <sub>16</sub>  |
|      | 48              | 6              | Prefix(t)-06-(*)-VTU48      | Prefix(t)-06-(*)-VTD48        | 49 <sup>13</sup> / <sub>16</sub> | 99 <sup>5</sup> / <sub>8</sub> | 50 <sup>3</sup> / <sub>8</sub> | 100 <sup>3</sup> / <sub>16</sub> |
|      | 48              | 9              | Prefix(t)-09-(*)-VTU48      | Prefix(t)-09-(*)-VTD48        | 49 <sup>13</sup> / <sub>16</sub> | 99 <sup>5</sup> / <sub>8</sub> | 50 <sup>3</sup> / <sub>8</sub> | 100 <sup>3</sup> / <sub>16</sub> |
|      | 48              | 12             | Prefix(t)-12-(*)-VTU48      | Prefix(t)-12-(*)-VTD48        | 49 <sup>13</sup> / <sub>16</sub> | 99 <sup>5</sup> / <sub>8</sub> | 50 <sup>3</sup> / <sub>8</sub> | 100 <sup>3</sup> / <sub>16</sub> |
|      | 48              | 18             | Prefix(t)-18-(*)-VTU48      | Prefix(t)-18-(*)-VTD48        | 49 <sup>13</sup> / <sub>16</sub> | 99 <sup>5</sup> / <sub>8</sub> | 50 <sup>3</sup> / <sub>8</sub> | 100 <sup>3</sup> / <sub>16</sub> |
|      | 48              | 24             | Prefix(t)-24-(*)-VTU48      | Prefix(t)-24-(*)-VTD48        | 49 <sup>13</sup> / <sub>16</sub> | 99 <sup>5</sup> / <sub>8</sub> | 50 <sup>3</sup> / <sub>8</sub> | 100 <sup>3</sup> / <sub>16</sub> |
|      | 48              | 30             | Prefix(t)-30-(*)-VTU48      | Prefix(t)-30-(*)-VTD48        | 49 <sup>13</sup> / <sub>16</sub> | 99 <sup>5</sup> / <sub>8</sub> | 50 <sup>3</sup> / <sub>8</sub> | 100 <sup>3</sup> / <sub>16</sub> |
|      | 48              | 36             | Prefix(t)-36-(*)-VTU48      | Prefix(t)-36-(*)-VTD48        | 49 <sup>13</sup> / <sub>16</sub> | 99 <sup>5</sup> / <sub>8</sub> | 50 <sup>3</sup> / <sub>8</sub> | 100 <sup>3</sup> / <sub>16</sub> |
|      | 48              | 42             | Prefix(t)-42-(*)-VTU48      | Prefix(t)-42-(*)-VTD48        | 49 <sup>13</sup> / <sub>16</sub> | 99 <sup>5</sup> / <sub>8</sub> | 50 <sup>3</sup> / <sub>8</sub> | 100 <sup>3</sup> / <sub>16</sub> |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

#### Part numbering system



—  
Vertical tee up/down (continued)

|                 |                |                             |                               | Dimensions (in.)     |                    |                  |                    |                  |                    |
|-----------------|----------------|-----------------------------|-------------------------------|----------------------|--------------------|------------------|--------------------|------------------|--------------------|
|                 |                |                             |                               | Side rail height "H" |                    |                  |                    |                  |                    |
| Nominal         |                | Vertical tee up<br>cat. no. | Vertical tee down<br>cat. no. | 5 in.                |                    | 6 in.            |                    | 7 in.            |                    |
| Radius<br>(in.) | Width<br>(in.) |                             |                               | X                    | Y                  | X                | Y                  | X                | Y                  |
| 12              | 6              | Prefix(t)-06-(*)-VTU12      | Prefix(t)-06-(*)-VTD12        | 14 $\frac{5}{8}$     | 29 $\frac{3}{16}$  | 15 $\frac{1}{8}$ | 30 $\frac{3}{16}$  | 15 $\frac{5}{8}$ | 31 $\frac{3}{16}$  |
| 12              | 9              | Prefix(t)-09-(*)-VTU12      | Prefix(t)-09-(*)-VTD12        | 14 $\frac{5}{8}$     | 29 $\frac{3}{16}$  | 15 $\frac{1}{8}$ | 30 $\frac{3}{16}$  | 15 $\frac{5}{8}$ | 31 $\frac{3}{16}$  |
| 12              | 12             | Prefix(t)-12-(*)-VTU12      | Prefix(t)-12-(*)-VTD12        | 14 $\frac{5}{8}$     | 29 $\frac{3}{16}$  | 15 $\frac{1}{8}$ | 30 $\frac{3}{16}$  | 15 $\frac{5}{8}$ | 31 $\frac{3}{16}$  |
| 12              | 18             | Prefix(t)-18-(*)-VTU12      | Prefix(t)-18-(*)-VTD12        | 14 $\frac{5}{8}$     | 29 $\frac{3}{16}$  | 15 $\frac{1}{8}$ | 30 $\frac{3}{16}$  | 15 $\frac{5}{8}$ | 31 $\frac{3}{16}$  |
| 12              | 24             | Prefix(t)-24-(*)-VTU12      | Prefix(t)-24-(*)-VTD12        | 14 $\frac{5}{8}$     | 29 $\frac{3}{16}$  | 15 $\frac{1}{8}$ | 30 $\frac{3}{16}$  | 15 $\frac{5}{8}$ | 31 $\frac{3}{16}$  |
| 12              | 30             | Prefix(t)-30-(*)-VTU12      | Prefix(t)-30-(*)-VTD12        | 14 $\frac{5}{8}$     | 29 $\frac{3}{16}$  | 15 $\frac{1}{8}$ | 30 $\frac{3}{16}$  | 15 $\frac{5}{8}$ | 31 $\frac{3}{16}$  |
| 12              | 36             | Prefix(t)-36-(*)-VTU12      | Prefix(t)-36-(*)-VTD12        | 14 $\frac{5}{8}$     | 29 $\frac{3}{16}$  | 15 $\frac{1}{8}$ | 30 $\frac{3}{16}$  | 15 $\frac{5}{8}$ | 31 $\frac{3}{16}$  |
| 12              | 42             | Prefix(t)-42-(*)-VTU12      | Prefix(t)-42-(*)-VTD12        | 14 $\frac{5}{8}$     | 29 $\frac{3}{16}$  | 15 $\frac{1}{8}$ | 30 $\frac{3}{16}$  | 15 $\frac{5}{8}$ | 31 $\frac{3}{16}$  |
| 24              | 6              | Prefix(t)-06-(*)-VTU24      | Prefix(t)-06-(*)-VTD24        | 26 $\frac{5}{8}$     | 53 $\frac{3}{16}$  | 27 $\frac{7}{8}$ | 54 $\frac{3}{16}$  | 27 $\frac{5}{8}$ | 55 $\frac{3}{16}$  |
| 24              | 9              | Prefix(t)-09-(*)-VTU24      | Prefix(t)-09-(*)-VTD24        | 26 $\frac{5}{8}$     | 53 $\frac{3}{16}$  | 27 $\frac{7}{8}$ | 54 $\frac{3}{16}$  | 27 $\frac{5}{8}$ | 55 $\frac{3}{16}$  |
| 24              | 12             | Prefix(t)-12-(*)-VTU24      | Prefix(t)-12-(*)-VTD24        | 26 $\frac{5}{8}$     | 53 $\frac{3}{16}$  | 27 $\frac{7}{8}$ | 54 $\frac{3}{16}$  | 27 $\frac{5}{8}$ | 55 $\frac{3}{16}$  |
| 24              | 18             | Prefix(t)-18-(*)-VTU24      | Prefix(t)-18-(*)-VTD24        | 26 $\frac{5}{8}$     | 53 $\frac{3}{16}$  | 27 $\frac{7}{8}$ | 54 $\frac{3}{16}$  | 27 $\frac{5}{8}$ | 55 $\frac{3}{16}$  |
| 24              | 24             | Prefix(t)-24-(*)-VTU24      | Prefix(t)-24-(*)-VTD24        | 26 $\frac{5}{8}$     | 53 $\frac{3}{16}$  | 27 $\frac{7}{8}$ | 54 $\frac{3}{16}$  | 27 $\frac{5}{8}$ | 55 $\frac{3}{16}$  |
| 24              | 30             | Prefix(t)-30-(*)-VTU24      | Prefix(t)-30-(*)-VTD24        | 26 $\frac{5}{8}$     | 53 $\frac{3}{16}$  | 27 $\frac{7}{8}$ | 54 $\frac{3}{16}$  | 27 $\frac{5}{8}$ | 55 $\frac{3}{16}$  |
| 24              | 36             | Prefix(t)-36-(*)-VTU24      | Prefix(t)-36-(*)-VTD24        | 26 $\frac{5}{8}$     | 53 $\frac{3}{16}$  | 27 $\frac{7}{8}$ | 54 $\frac{3}{16}$  | 27 $\frac{5}{8}$ | 55 $\frac{3}{16}$  |
| 24              | 42             | Prefix(t)-42-(*)-VTU24      | Prefix(t)-42-(*)-VTD24        | 26 $\frac{5}{8}$     | 53 $\frac{3}{16}$  | 27 $\frac{7}{8}$ | 54 $\frac{3}{16}$  | 27 $\frac{5}{8}$ | 55 $\frac{3}{16}$  |
| 36              | 6              | Prefix(t)-06-(*)-VTU36      | Prefix(t)-06-(*)-VTD36        | 38 $\frac{5}{8}$     | 77 $\frac{3}{16}$  | 39 $\frac{1}{2}$ | 78 $\frac{3}{16}$  | 39 $\frac{5}{8}$ | 79 $\frac{3}{16}$  |
| 36              | 9              | Prefix(t)-09-(*)-VTU36      | Prefix(t)-09-(*)-VTD36        | 38 $\frac{5}{8}$     | 77 $\frac{3}{16}$  | 39 $\frac{1}{2}$ | 78 $\frac{3}{16}$  | 39 $\frac{5}{8}$ | 79 $\frac{3}{16}$  |
| 36              | 12             | Prefix(t)-12-(*)-VTU36      | Prefix(t)-12-(*)-VTD36        | 38 $\frac{5}{8}$     | 77 $\frac{3}{16}$  | 39 $\frac{1}{2}$ | 78 $\frac{3}{16}$  | 39 $\frac{5}{8}$ | 79 $\frac{3}{16}$  |
| 36              | 18             | Prefix(t)-18-(*)-VTU36      | Prefix(t)-18-(*)-VTD36        | 38 $\frac{5}{8}$     | 77 $\frac{3}{16}$  | 39 $\frac{1}{2}$ | 78 $\frac{3}{16}$  | 39 $\frac{5}{8}$ | 79 $\frac{3}{16}$  |
| 36              | 24             | Prefix(t)-24-(*)-VTU36      | Prefix(t)-24-(*)-VTD36        | 38 $\frac{5}{8}$     | 77 $\frac{3}{16}$  | 39 $\frac{1}{2}$ | 78 $\frac{3}{16}$  | 39 $\frac{5}{8}$ | 79 $\frac{3}{16}$  |
| 36              | 30             | Prefix(t)-30-(*)-VTU36      | Prefix(t)-30-(*)-VTD36        | 38 $\frac{5}{8}$     | 77 $\frac{3}{16}$  | 39 $\frac{1}{2}$ | 78 $\frac{3}{16}$  | 39 $\frac{5}{8}$ | 79 $\frac{3}{16}$  |
| 36              | 36             | Prefix(t)-36-(*)-VTU36      | Prefix(t)-36-(*)-VTD36        | 38 $\frac{5}{8}$     | 77 $\frac{3}{16}$  | 39 $\frac{1}{2}$ | 78 $\frac{3}{16}$  | 39 $\frac{5}{8}$ | 79 $\frac{3}{16}$  |
| 36              | 42             | Prefix(t)-42-(*)-VTU36      | Prefix(t)-42-(*)-VTD36        | 38 $\frac{5}{8}$     | 77 $\frac{3}{16}$  | 39 $\frac{1}{2}$ | 78 $\frac{3}{16}$  | 39 $\frac{5}{8}$ | 79 $\frac{3}{16}$  |
| 48              | 6              | Prefix(t)-06-(*)-VTU48      | Prefix(t)-06-(*)-VTD48        | 50 $\frac{5}{8}$     | 101 $\frac{3}{16}$ | 51 $\frac{1}{8}$ | 102 $\frac{3}{16}$ | 51 $\frac{5}{8}$ | 103 $\frac{3}{16}$ |
| 48              | 9              | Prefix(t)-09-(*)-VTU48      | Prefix(t)-09-(*)-VTD48        | 50 $\frac{5}{8}$     | 101 $\frac{3}{16}$ | 51 $\frac{1}{8}$ | 102 $\frac{3}{16}$ | 51 $\frac{5}{8}$ | 103 $\frac{3}{16}$ |
| 48              | 12             | Prefix(t)-12-(*)-VTU48      | Prefix(t)-12-(*)-VTD48        | 50 $\frac{5}{8}$     | 101 $\frac{3}{16}$ | 51 $\frac{1}{8}$ | 102 $\frac{3}{16}$ | 51 $\frac{5}{8}$ | 103 $\frac{3}{16}$ |
| 48              | 18             | Prefix(t)-18-(*)-VTU48      | Prefix(t)-18-(*)-VTD48        | 50 $\frac{5}{8}$     | 101 $\frac{3}{16}$ | 51 $\frac{1}{8}$ | 102 $\frac{3}{16}$ | 51 $\frac{5}{8}$ | 103 $\frac{3}{16}$ |
| 48              | 24             | Prefix(t)-24-(*)-VTU48      | Prefix(t)-24-(*)-VTD48        | 50 $\frac{5}{8}$     | 101 $\frac{3}{16}$ | 51 $\frac{1}{8}$ | 102 $\frac{3}{16}$ | 51 $\frac{5}{8}$ | 103 $\frac{3}{16}$ |
| 48              | 30             | Prefix(t)-30-(*)-VTU48      | Prefix(t)-30-(*)-VTD48        | 50 $\frac{5}{8}$     | 101 $\frac{3}{16}$ | 51 $\frac{1}{8}$ | 102 $\frac{3}{16}$ | 51 $\frac{5}{8}$ | 103 $\frac{3}{16}$ |
| 48              | 36             | Prefix(t)-36-(*)-VTU48      | Prefix(t)-36-(*)-VTD48        | 50 $\frac{5}{8}$     | 101 $\frac{3}{16}$ | 51 $\frac{1}{8}$ | 102 $\frac{3}{16}$ | 51 $\frac{5}{8}$ | 103 $\frac{3}{16}$ |
| 48              | 42             | Prefix(t)-42-(*)-VTU48      | Prefix(t)-42-(*)-VTD48        | 50 $\frac{5}{8}$     | 101 $\frac{3}{16}$ | 51 $\frac{1}{8}$ | 102 $\frac{3}{16}$ | 51 $\frac{5}{8}$ | 103 $\frac{3}{16}$ |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

### Selection guide

- Prefix: SPF (pregalv.), SHF (hot-dip), SSF (stainless steel)
- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 3 in., 4 in., 5 in., 6 in., 7 in.

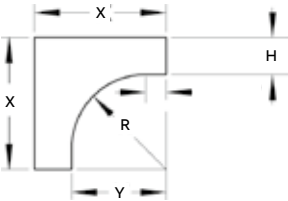
## Steel fittings

### Cable support fittings

#### Cable support

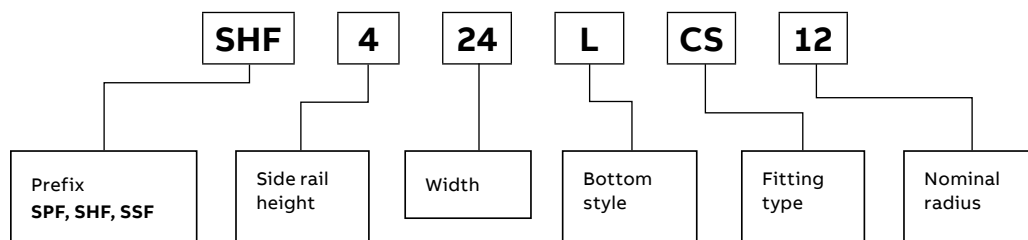
#### Selection guide

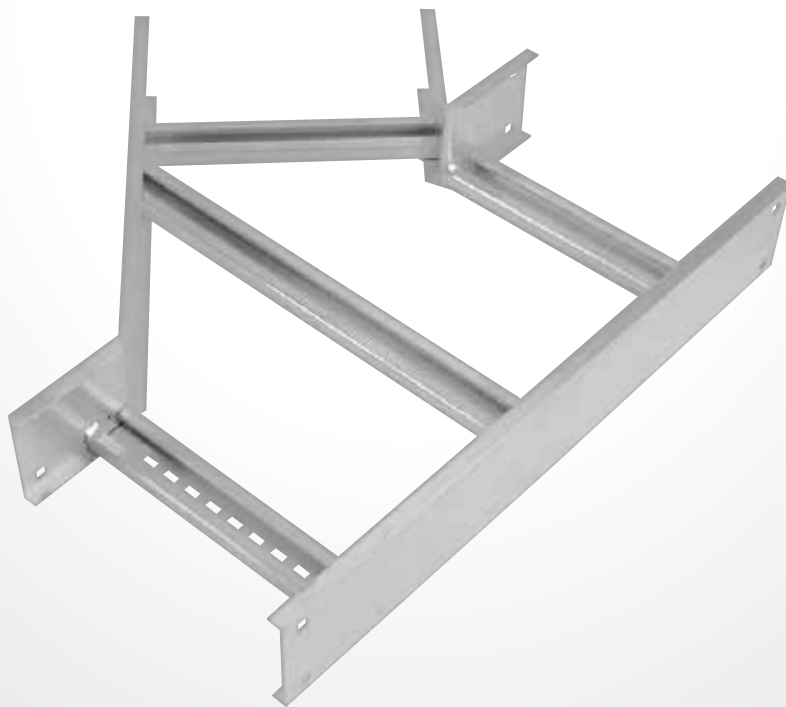
- Prefix: SPF (pregalv.), SHF (hot-dip), SSF (stainless steel)
- Inside tray widths: 6, 9, 12, 18, 24, 30, 36, 42 in.
- Nominal radius: 12, 24, 36, 48 in.
- Bottom styles: L– ladder, V– ventilated, S– solid
- Side rail heights: 3 in., 4 in., 5 in., 6 in., 7 in.

|                                                                                     |              |             |                       | Dimensions (in.)     |                   |                   |                   |                   |
|-------------------------------------------------------------------------------------|--------------|-------------|-----------------------|----------------------|-------------------|-------------------|-------------------|-------------------|
|                                                                                     |              |             |                       | Side rail height "H" |                   |                   |                   |                   |
|                                                                                     |              |             |                       | 3½ in.               | 4 in.             | 5 in.             | 6 in.             | 7 in.             |
| Nominal                                                                             | Radius (in.) | Width (in.) | Cat. no.              |                      |                   |                   |                   | X                 |
|    | 12           | 6           | Prefix(t)-06-(*)-CS12 | 15⅞                  | 16⅜ <sub>16</sub> | 17⅜ <sub>16</sub> | 18⅜ <sub>16</sub> | 19⅜ <sub>16</sub> |
|                                                                                     | 12           | 9           | Prefix(t)-09-(*)-CS12 | 15⅞                  | 16⅜ <sub>16</sub> | 17⅜ <sub>16</sub> | 18⅜ <sub>16</sub> | 19⅜ <sub>16</sub> |
|                                                                                     | 12           | 12          | Prefix(t)-12-(*)-CS12 | 15⅞                  | 16⅜ <sub>16</sub> | 17⅜ <sub>16</sub> | 18⅜ <sub>16</sub> | 19⅜ <sub>16</sub> |
|                                                                                     | 12           | 18          | Prefix(t)-18-(*)-CS12 | 15⅞                  | 16⅜ <sub>16</sub> | 17⅜ <sub>16</sub> | 18⅜ <sub>16</sub> | 19⅜ <sub>16</sub> |
|                                                                                     | 12           | 24          | Prefix(t)-24-(*)-CS12 | 15⅞                  | 16⅜ <sub>16</sub> | 17⅜ <sub>16</sub> | 18⅜ <sub>16</sub> | 19⅜ <sub>16</sub> |
|                                                                                     | 12           | 30          | Prefix(t)-30-(*)-CS12 | 15⅞                  | 16⅜ <sub>16</sub> | 17⅜ <sub>16</sub> | 18⅜ <sub>16</sub> | 19⅜ <sub>16</sub> |
|                                                                                     | 12           | 36          | Prefix(t)-36-(*)-CS12 | 15⅞                  | 16⅜ <sub>16</sub> | 17⅜ <sub>16</sub> | 18⅜ <sub>16</sub> | 19⅜ <sub>16</sub> |
|                                                                                     | 12           | 42          | Prefix(t)-42-(*)-CS12 | 15⅞                  | 16⅜ <sub>16</sub> | 17⅜ <sub>16</sub> | 18⅜ <sub>16</sub> | 19⅜ <sub>16</sub> |
|                                                                                     | 24           | 6           | Prefix(t)-06-(*)-CS24 | 27⅞                  | 28⅜ <sub>16</sub> | 29⅜ <sub>16</sub> | 30⅜ <sub>16</sub> | 31⅜ <sub>16</sub> |
|                                                                                     | 24           | 9           | Prefix(t)-09-(*)-CS24 | 27⅞                  | 28⅜ <sub>16</sub> | 29⅜ <sub>16</sub> | 30⅜ <sub>16</sub> | 31⅜ <sub>16</sub> |
|                                                                                     | 24           | 12          | Prefix(t)-12-(*)-CS24 | 27⅞                  | 28⅜ <sub>16</sub> | 29⅜ <sub>16</sub> | 30⅜ <sub>16</sub> | 31⅜ <sub>16</sub> |
|                                                                                     | 24           | 18          | Prefix(t)-18-(*)-CS24 | 27⅞                  | 28⅜ <sub>16</sub> | 29⅜ <sub>16</sub> | 30⅜ <sub>16</sub> | 31⅜ <sub>16</sub> |
|                                                                                     | 24           | 24          | Prefix(t)-24-(*)-CS24 | 27⅞                  | 28⅜ <sub>16</sub> | 29⅜ <sub>16</sub> | 30⅜ <sub>16</sub> | 31⅜ <sub>16</sub> |
|                                                                                     | 24           | 30          | Prefix(t)-30-(*)-CS24 | 27⅞                  | 28⅜ <sub>16</sub> | 29⅜ <sub>16</sub> | 30⅜ <sub>16</sub> | 31⅜ <sub>16</sub> |
|                                                                                     | 24           | 36          | Prefix(t)-36-(*)-CS24 | 27⅞                  | 28⅜ <sub>16</sub> | 29⅜ <sub>16</sub> | 30⅜ <sub>16</sub> | 31⅜ <sub>16</sub> |
|                                                                                     | 24           | 42          | Prefix(t)-42-(*)-CS24 | 27⅞                  | 28⅜ <sub>16</sub> | 29⅜ <sub>16</sub> | 30⅜ <sub>16</sub> | 31⅜ <sub>16</sub> |
|                                                                                     | 36           | 6           | Prefix(t)-06-(*)-CS36 | 39⅞                  | 40⅜ <sub>16</sub> | 41⅜ <sub>16</sub> | 42⅜ <sub>16</sub> | 43⅜ <sub>16</sub> |
|                                                                                     | 36           | 9           | Prefix(t)-09-(*)-CS36 | 39⅞                  | 40⅜ <sub>16</sub> | 41⅜ <sub>16</sub> | 42⅜ <sub>16</sub> | 43⅜ <sub>16</sub> |
|                                                                                     | 36           | 12          | Prefix(t)-12-(*)-CS36 | 39⅞                  | 40⅜ <sub>16</sub> | 41⅜ <sub>16</sub> | 42⅜ <sub>16</sub> | 43⅜ <sub>16</sub> |
|                                                                                     | 36           | 18          | Prefix(t)-18-(*)-CS36 | 39⅞                  | 40⅜ <sub>16</sub> | 41⅜ <sub>16</sub> | 42⅜ <sub>16</sub> | 43⅜ <sub>16</sub> |
|                                                                                     | 36           | 24          | Prefix(t)-24-(*)-CS36 | 39⅞                  | 40⅜ <sub>16</sub> | 41⅜ <sub>16</sub> | 42⅜ <sub>16</sub> | 43⅜ <sub>16</sub> |
|                                                                                     | 36           | 30          | Prefix(t)-30-(*)-CS36 | 39⅞                  | 40⅜ <sub>16</sub> | 41⅜ <sub>16</sub> | 42⅜ <sub>16</sub> | 43⅜ <sub>16</sub> |
|                                                                                     | 36           | 36          | Prefix(t)-36-(*)-CS36 | 39⅞                  | 40⅜ <sub>16</sub> | 41⅜ <sub>16</sub> | 42⅜ <sub>16</sub> | 43⅜ <sub>16</sub> |
|                                                                                     | 36           | 42          | Prefix(t)-42-(*)-CS36 | 39⅞                  | 40⅜ <sub>16</sub> | 41⅜ <sub>16</sub> | 42⅜ <sub>16</sub> | 43⅜ <sub>16</sub> |
|  | 48           | 6           | Prefix(t)-06-(*)-CS48 | 51⅞                  | 52⅜ <sub>16</sub> | 53⅜ <sub>16</sub> | 54⅜ <sub>16</sub> | 55⅜ <sub>16</sub> |
|                                                                                     | 48           | 9           | Prefix(t)-09-(*)-CS48 | 51⅞                  | 52⅜ <sub>16</sub> | 53⅜ <sub>16</sub> | 54⅜ <sub>16</sub> | 55⅜ <sub>16</sub> |
|                                                                                     | 48           | 12          | Prefix(t)-12-(*)-CS48 | 51⅞                  | 52⅜ <sub>16</sub> | 53⅜ <sub>16</sub> | 54⅜ <sub>16</sub> | 55⅜ <sub>16</sub> |
|                                                                                     | 48           | 18          | Prefix(t)-18-(*)-CS48 | 51⅞                  | 52⅜ <sub>16</sub> | 53⅜ <sub>16</sub> | 54⅜ <sub>16</sub> | 55⅜ <sub>16</sub> |
|                                                                                     | 48           | 24          | Prefix(t)-24-(*)-CS48 | 51⅞                  | 52⅜ <sub>16</sub> | 53⅜ <sub>16</sub> | 54⅜ <sub>16</sub> | 55⅜ <sub>16</sub> |
|                                                                                     | 48           | 30          | Prefix(t)-30-(*)-CS48 | 51⅞                  | 52⅜ <sub>16</sub> | 53⅜ <sub>16</sub> | 54⅜ <sub>16</sub> | 55⅜ <sub>16</sub> |
|                                                                                     | 48           | 36          | Prefix(t)-36-(*)-CS48 | 51⅞                  | 52⅜ <sub>16</sub> | 53⅜ <sub>16</sub> | 54⅜ <sub>16</sub> | 55⅜ <sub>16</sub> |
|                                                                                     | 48           | 42          | Prefix(t)-42-(*)-CS48 | 51⅞                  | 52⅜ <sub>16</sub> | 53⅜ <sub>16</sub> | 54⅜ <sub>16</sub> | 55⅜ <sub>16</sub> |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no. Includes 1 pair of splice plates with hardware.

#### Part numbering system





# Steel fittings

## Helix cable tray fitting

01 Right-turn assembly  
02 Left-turn assembly

The Helix cable tray fitting.  
Efficiency is in its DNA

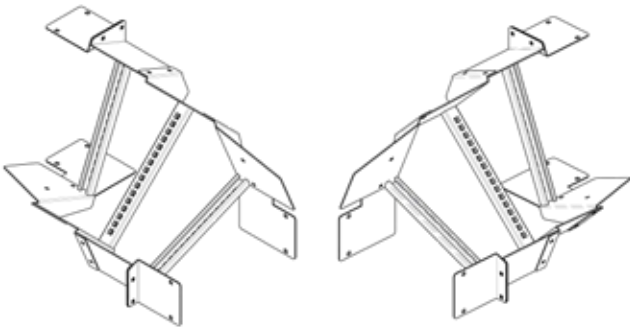
**Go from horizontal to vertical, maximum cable protection, minimum space.**  
Making transitions from horizontal to vertical cable tray runs has never been easier or more efficient. The latest evolution in cable tray fittings, the Helix fitting assembly was developed specifically for use in confined areas. It allows installers to transition from horizontal to vertical surfaces in less time, using significantly less space.

- Enables installation close to walls and other surfaces, eliminating need for distance
- Provides enhanced cable protection in confined spaces
- Secures cables within fitting for clean, organized cable runs

Helix cable tray fitting

| Cat. no.   | Material            | Side rail (in.) | Width (in.) | Direction  |
|------------|---------------------|-----------------|-------------|------------|
| SPF612LHVR | Pregalvanized steel | 6               | 12          | Right turn |
| SPF612LHVL | Pregalvanized steel | 6               | 12          | Left turn  |
| SPF624LHVR | Pregalvanized steel | 6               | 24          | Right turn |
| SPF624LHVL | Pregalvanized steel | 6               | 24          | Left turn  |
| SSF612LHVR | Stainless steel     | 6               | 12          | Right turn |
| SSF612LHVL | Stainless steel     | 6               | 12          | Left turn  |
| SSF624LHVR | Stainless steel     | 6               | 24          | Right turn |
| SSF624LHVL | Stainless steel     | 6               | 24          | Left turn  |

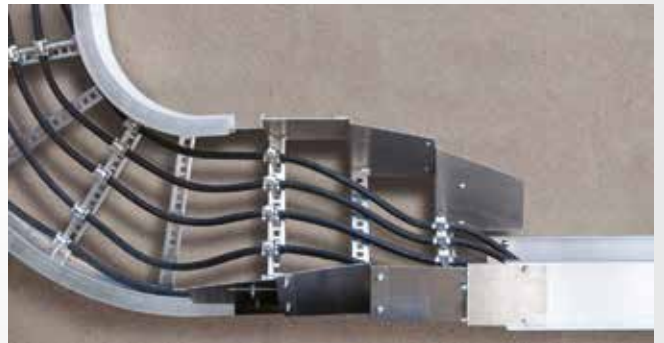
Supports should be positioned within 24" (610 mm) of each Helix fitting extremity.



01

02







# Steel

## Tray covers

- 01 Solid flanged
- 02 Solid non-flanged
- 03 Ventilated flanged
- 04 Peaked flanged

**Tray covers**  
Tray covers are available for all classes of tray. They should be installed where falling objects may damage cables or where a vertical tray run is accessible by pedestrian or vehicular traffic.

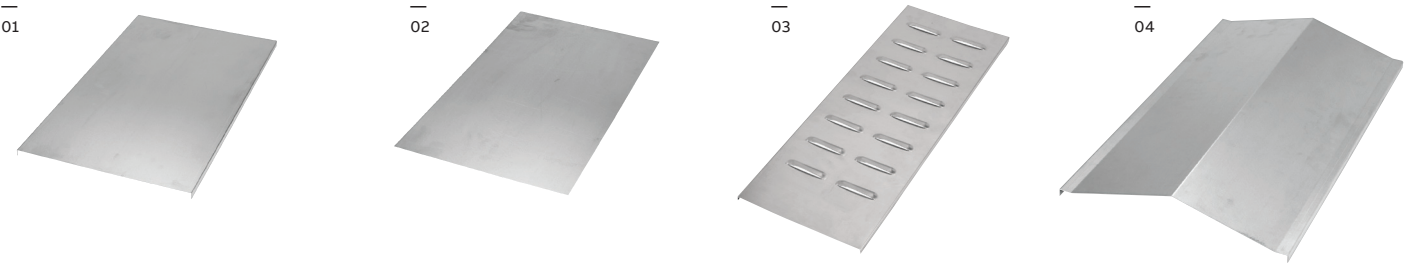
Outside cable tray runs should be covered with a peaked flanged cover to protect cable from the elements and excess build up of snow and ice.

**Solid covers**  
These covers provide maximum mechanical protection for cables with limited heat build up. Solid covers are available with or without flange. Flanged covers have ½ in. flange.

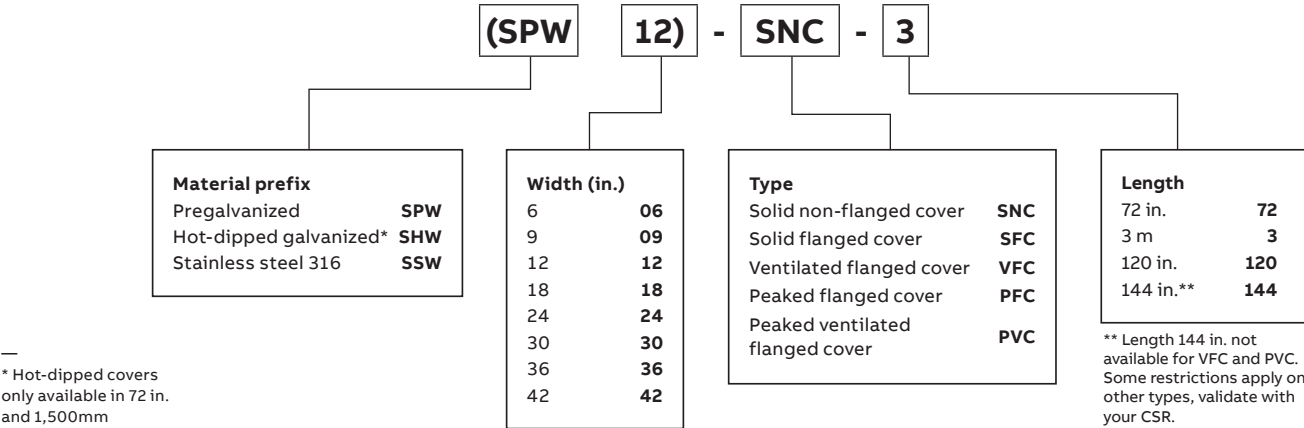
**Ventilated flanged covers**  
This design offers excellent mechanical protection while allowing heat produced by cables to dissipate.

**Peaked flanged covers**  
Peaked covers offer mechanical protection plus prevent accumulation of liquid on the cover. Peaked covers have 15° rise at the peak.

**Cover mounting hardware must be ordered separately.**



### Straight cover number selection

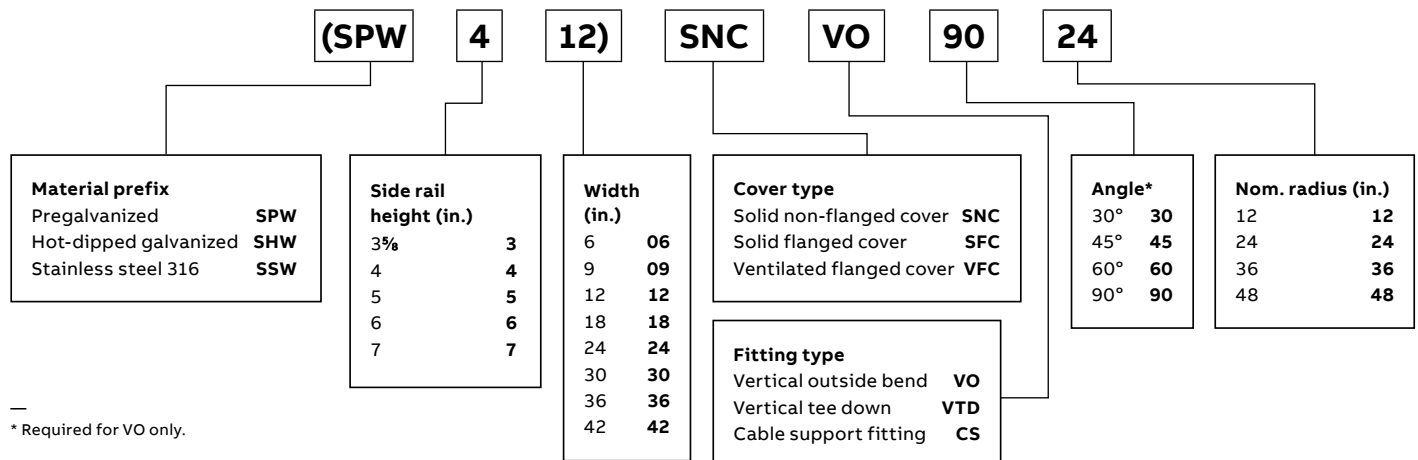
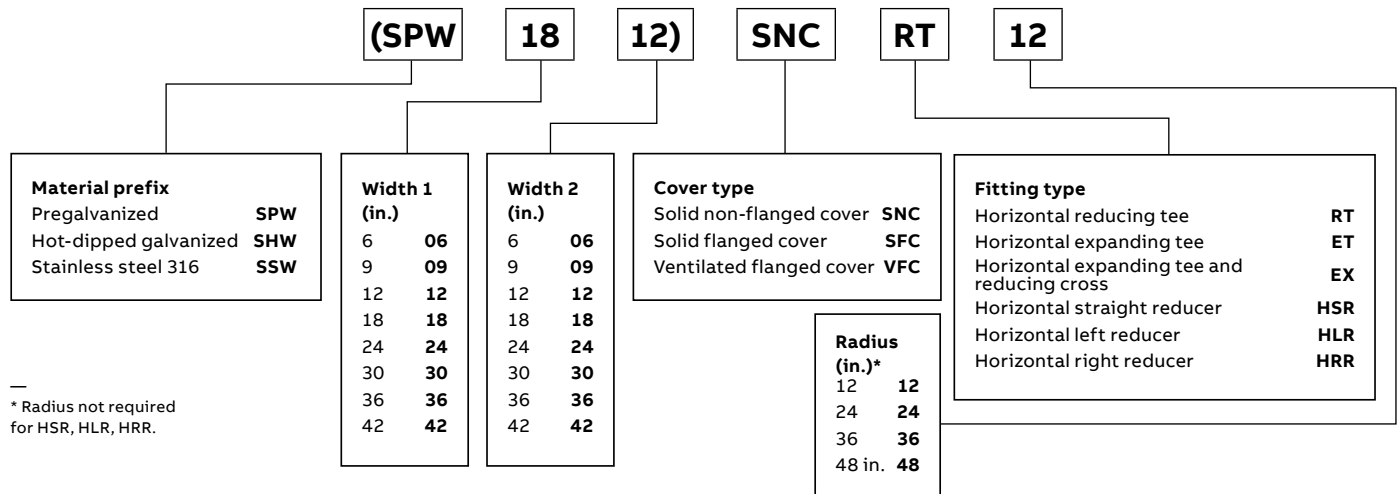
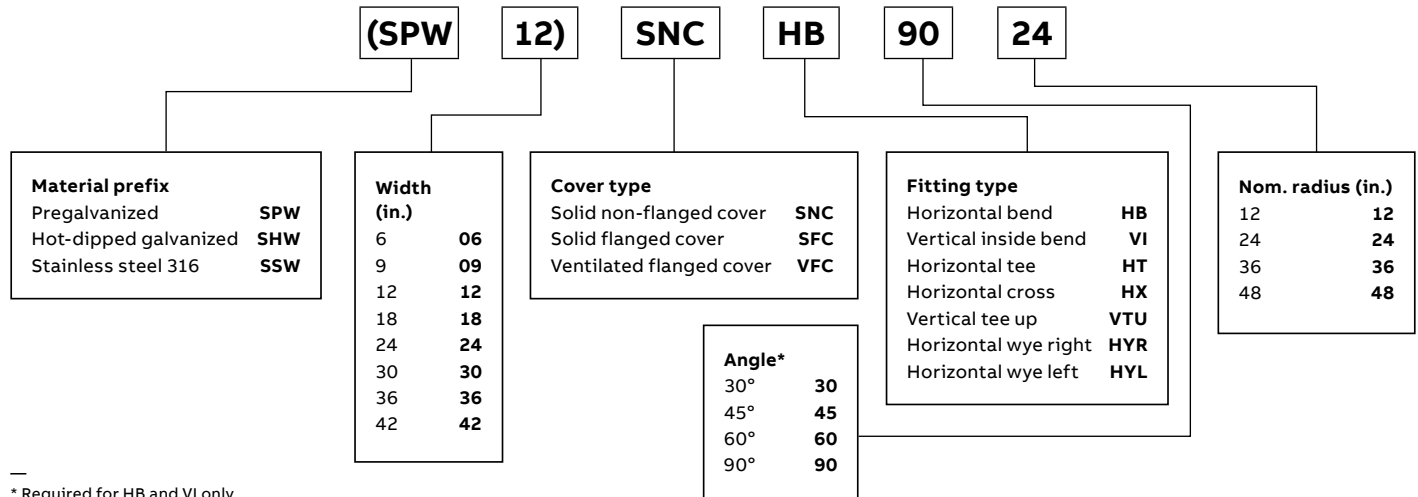




## Steel

### Fitting covers

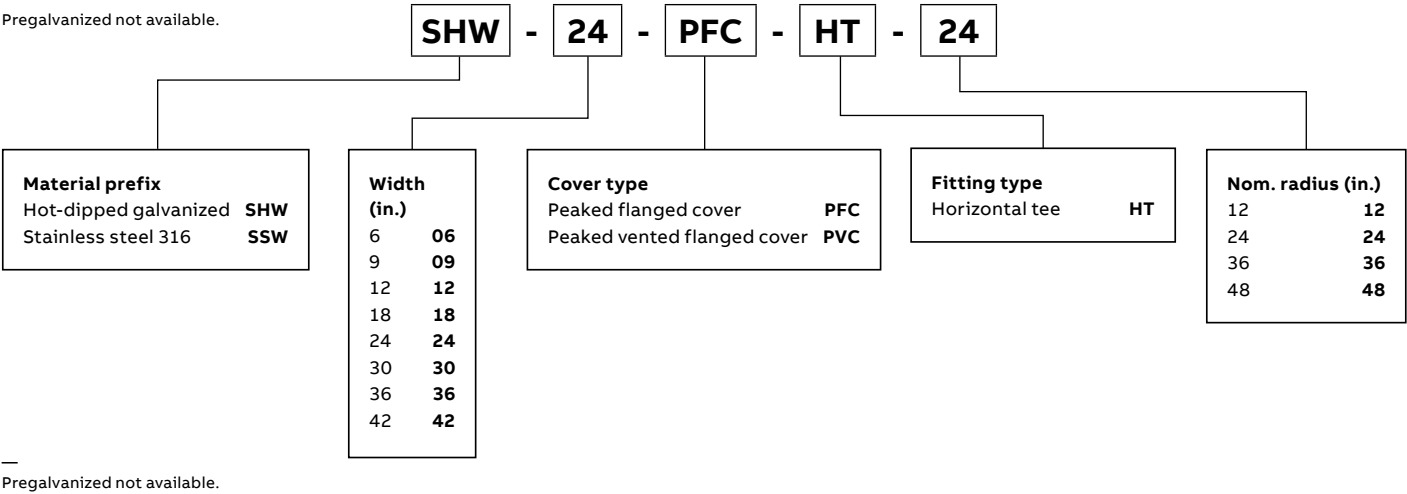
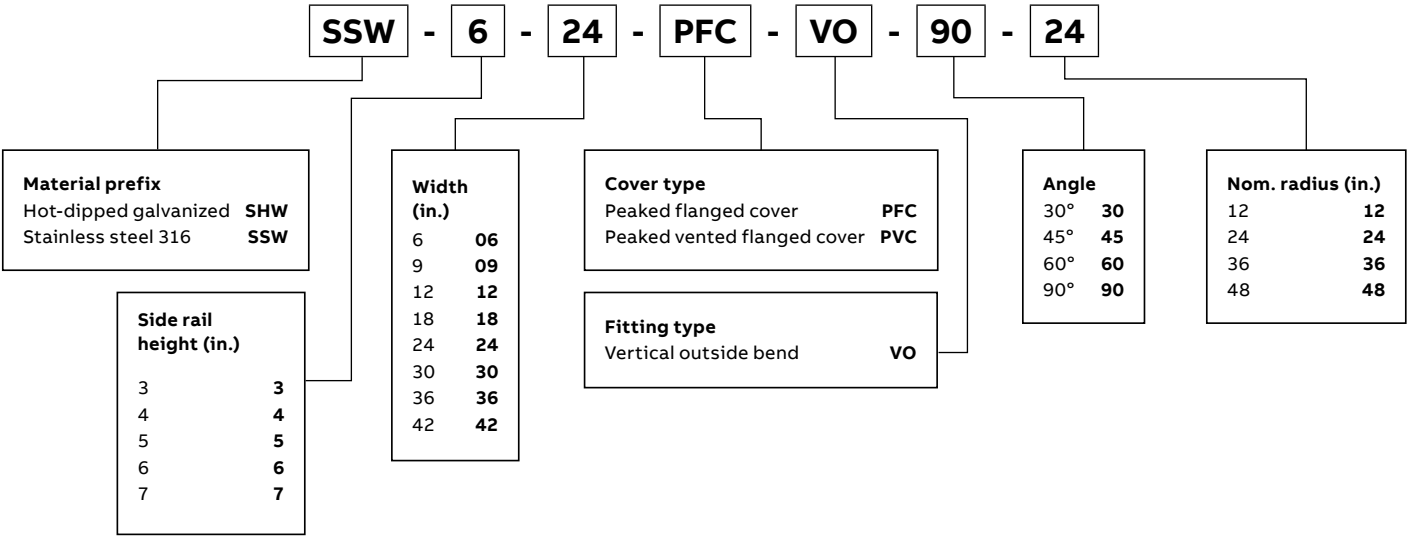
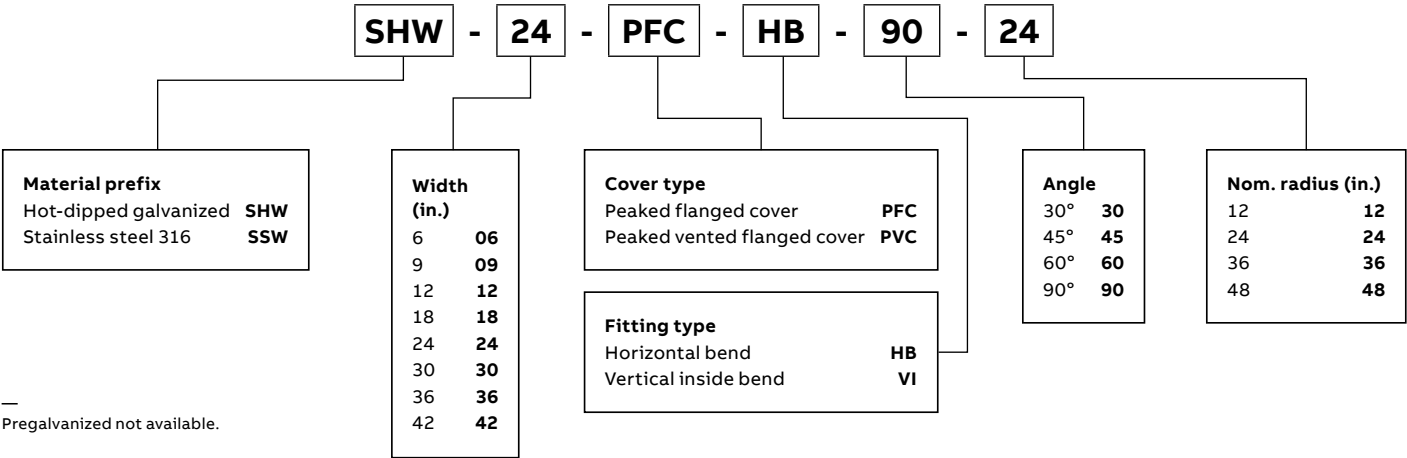
#### Fitting cover number selection



Steel

Peaked covers

Peaked covers number selection



## Steel

### Peaked covers

#### Horizontal bend/vertical inside bend peaked cover number selection



**SHW - 12 - PFC - HB - 90 - 24**

##### Material prefix

Hot-dipped galvanized **SHW**  
Stainless steel 316 **SSW**

##### Width (in.)

6 **06**  
9 **09**  
12 **12**  
18 **18**  
24 **24**  
30 **30**  
36 **36**  
42 **42**

##### Cover type

PFC peaked flanged cover **PFC**  
PVC peaked ventilated flanged cover **PVC**

##### Fitting type

Horizontal bend **HB**  
Vertical inside bend **VI**

##### Angle

30° **30**  
45° **45**  
60° **60**  
90° **90**

##### Nom. radius (in.)

12 **12**  
24 **24**  
36 **36**  
48 **48**

— Pregalvanized not available.

#### Vertical outside bend peaked cover number selection



**SHW - 4 - 12 - PFC - VO - 90 - 24**

##### Material prefix

Hot-dipped galvanized **SHW**  
Stainless steel 316 **SSW**

##### Side rail height (in.)

3 **3**  
4 **4**  
5 **5**  
6 **6**  
7 **7**

##### Width (in.)

6 **06**  
9 **09**  
12 **12**  
18 **18**  
24 **24**  
30 **30**  
36 **36**  
42 **42**

##### Cover type

PFC peaked flanged cover **PFC**  
PVC peaked ventilated flanged cover **PVC**

##### Fitting type

Vertical outside bend **VO**

##### Angle

30° **30**  
45° **45**  
60° **60**  
90° **90**

##### Radius (in.)

12 **12**  
24 **24**  
36 **36**  
48 **48**

— Pregalvanized not available.

#### Horizontal tee peaked cover number selection



**SHW - 12 - PFC - HT - 24**

##### Material prefix

Hot-dipped galvanized **SHW**  
Stainless steel 316 **SSW**

##### Width (in.)

6 in. **06**  
9 in. **09**  
12 in. **12**  
18 in. **18**  
24 in. **24**  
30 in. **30**  
36 in. **36**  
42 in. **42**

##### Cover type

PFC peaked flanged cover **PFC**  
PVC peaked ventilated flanged cover **PVC**

##### Fitting type

Horizontal tee **HT**

##### Radius (in.)

12 **12**  
24 **24**  
36 **36**  
48 **48**

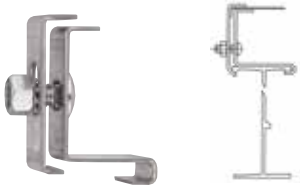
— Pregalvanized not available.

Steel  
Accessories

| Quantity of standard cover clamps required |  |        |  |
|--------------------------------------------|--|--------|--|
| Straight section (6 ft.)                   |  | 4 pcs. |  |
| Straight section (12 ft./ 3 m)             |  | 6 pcs. |  |
| Horizontal and vertical bends              |  | 4 pcs. |  |

When using the heavy-duty cover clamp, only half the quantity of pieces are required.

Raised cover clamp

|                                                                                   |  | Cat. no.   | Material prefix | Cover offset (in.)* |
|-----------------------------------------------------------------------------------|--|------------|-----------------|---------------------|
|  |  | SPW(*)RCC† | SPW, SHW, SSW   | 1                   |
|                                                                                   |  |            | SPW, SSW        | 2                   |

Designed to raise cover above tray for added ventilation.

(\*) Insert cover offset.

† For indoor applications only.

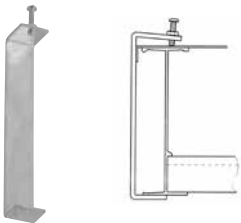
Peaked end cap

|                                                                                     |  | Cat. no.  | Material prefix | Width (in.) |
|-------------------------------------------------------------------------------------|--|-----------|-----------------|-------------|
|  |  | SPW(*)PEC | SPW, SHW, SSW   | 06          |
|                                                                                     |  | SHW(*)PEC | SPW, SHW, SSW   | 09          |
|                                                                                     |  | SSW(*)PEC | SPW, SHW, SSW   | 12          |
|                                                                                     |  |           | SPW, SHW, SSW   | 18          |
|                                                                                     |  |           | SPW, SHW, SSW   | 24          |
|                                                                                     |  |           | SPW, SHW, SSW   | 30          |
|                                                                                     |  |           | SPW, SHW, SSW   | 36          |
|                                                                                     |  |           | SPW, SHW, SSW   | 42          |

Used for transition between peaked covers to straight covers.

(\*) Insert width

Cover clamp

|                                                                                     |  | Cat. no.       | Material prefix | Side rail height (in.) |
|-------------------------------------------------------------------------------------|--|----------------|-----------------|------------------------|
|  |  | (Prefix)-3-SCC | SPW, SHW, SSW   | 3                      |
|                                                                                     |  | (Prefix)-4-SCC | SPW, SHW, SSW   | 4                      |
|                                                                                     |  | (Prefix)-5-SCC | SPW, SHW, SSW   | 5                      |
|                                                                                     |  | (Prefix)-6-SCC | SPW, SHW, SSW   | 6                      |
|                                                                                     |  | (Prefix)-7-SCC | SPW, SHW, SSW   | 7                      |

Rigid indoor cover clamp for flat and flanged covers.

- Side rail heights: 3, 4, 5, 6, 7 in.
- Tray widths: 06, 09, 12, 18, 24, 30, 36, 42 in.

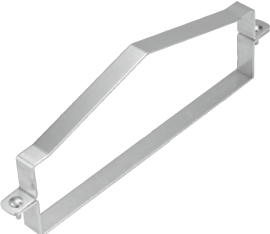
Heavy-duty cover clamp

|                                                                                   | Cat. no.              | Material prefix | Side rail height (in.) | Tray width (in.) |
|-----------------------------------------------------------------------------------|-----------------------|-----------------|------------------------|------------------|
|  | (Prefix)-(*)-(**)-HCC | SPW, SHW, SSW   | 3 to 7                 | 06 to 42         |
|                                                                                   |                       |                 |                        |                  |

Wrap-around design offers added protection for rugged applications and outdoor conditions. Hardware included.  
(\*) Insert side rail height  
(\*\*) Insert tray width

- Side rail heights: 3, 4, 5, 6, 7 in.
- Tray widths: 06, 09, 12, 18, 24, 30, 36, 42 in.

Heavy-duty peaked cover clamp

|                                                                                     | Cat. no.              | Material prefix | Side rail height (in.) | Tray width (in.) |
|-------------------------------------------------------------------------------------|-----------------------|-----------------|------------------------|------------------|
|  | (Prefix)-(*)-(**)-HPC | SPW, SHW, SSW   | 3 to 7                 | 06 to 42         |
|                                                                                     |                       |                 |                        |                  |

Wrap-around design formed to fit peaked cover for outdoor applications. Hardware included.  
(\*) Insert side rail height  
(\*\*) Insert tray width

Cover joint strip

|                                                                                     | Cat. no.    | Material | Tray width (in.) |
|-------------------------------------------------------------------------------------|-------------|----------|------------------|
|  | ABW-(*)-PCS | Plastic  | 06               |
|                                                                                     |             | Plastic  | 09               |
|                                                                                     |             | Plastic  | 12               |
|                                                                                     |             | Plastic  | 18               |
|                                                                                     |             | Plastic  | 24               |
|                                                                                     |             | Plastic  | 30               |
|                                                                                     |             | Plastic  | 36               |
|                                                                                     |             | Plastic  | 42               |

Strip used for joining covers end to end.  
(\*) Insert tray width

Steel splice plates

Splice, expansion and transition plates



Splice plate

- Packaged in pairs with zinc-plated hardware
- Kit contents: 8 bolts, 8 serrated flange nuts  
3/8 in. diameter
- Provided as standard with each straight and/or fitting

| Cat. no.       | Material prefix | Side rail height (in.) |
|----------------|-----------------|------------------------|
| (Prefix)-3-SSP | SPW, SHW, SSW   | 3                      |
| (Prefix)-4-SSP | SPW, SHW, SSW   | 4                      |
| (Prefix)-5-SSP | SPW, SHW, SSW   | 5                      |
| (Prefix)-6-SSP | SPW, SHW, SSW   | 6                      |
| (Prefix)-7-SSP | SPW, SHW, SSW   | 7                      |



- Allows for a 1 in. expansion or contraction of tray s system
- Packaged in pairs with hardware
- Kit contents: 8 bolts, 4 stop nuts, 4 serrated flange nuts 3/8 in. diameter

Expansion splice plate

| Cat. no.       | Material prefix | Side rail height (in.) |
|----------------|-----------------|------------------------|
| (Prefix)-3-ESP | SPW, SHW, SSW   | 3                      |
| (Prefix)-4-ESP | SPW, SHW, SSW   | 4                      |
| (Prefix)-5-ESP | SPW, SHW, SSW   | 5                      |
| (Prefix)-6-ESP | SPW, SHW, SSW   | 6                      |
| (Prefix)-7-ESP | SPW, SHW, SSW   | 7                      |



- Designed to make the transition from aluminum to steel cable tray
- Works for all 6 in. side rails

Transition splice plate

| Cat. no.          | Material             | Side rail height (in.) |
|-------------------|----------------------|------------------------|
| XNM-XP400-(*)-SS6 | Polyester/fiberglass | 6                      |

Each pair of plates:  
8 x carriage bolt (3/8 x 1 in.) SS316  
8 x 3/8 in. serrated flange nut SS316

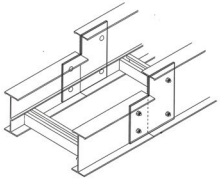
## Steel splice plates

### Step-down splice plate and flexible coupler



- Connects side rails of different heights
- Hardware included
- Kit contents: 8 bolts, 8 serrated flange nuts  
3/8 in. diameter

#### Step-down splice plate

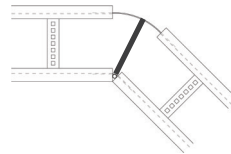
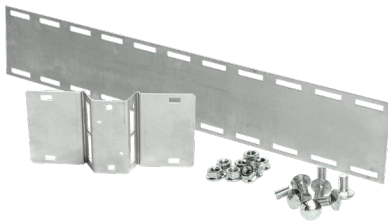
|                                                                                   | Cat. no.              | Material prefix | Side rail height (in.) |
|-----------------------------------------------------------------------------------|-----------------------|-----------------|------------------------|
|  | (Prefix)-(*)-(**)-SDS | SPW, SHW, SSW   | 3 to 7                 |

(\*) Insert side rail height 1.

(\*\*) Insert side rail height 2.

NOTE: Side rail height 1 is greater than side rail height 2.

Step down splice plate not required to go from side rails 7 inches to 6 inches and from 5 inches to 4 inches.



#### Flexible coupler



| Cat. no.              | Material prefix | Side rail height (in.) | Tray width (in.) |
|-----------------------|-----------------|------------------------|------------------|
| (Prefix)-(*)06HBP     | SPW, SHW, SSW   | 3 to 7                 | 06               |
| (Prefix)-(*)09HBP     | SPW, SHW, SSW   | 3 to 7                 | 09               |
| (Prefix)-(*)12HBP     | SPW, SHW, SSW   | 3 to 7                 | 12               |
| (Prefix)-(*)18HBP(**) | SPW, SHW, SSW   | 3 to 7                 | 18               |
| (Prefix)-(*)24HBP     | SPW, SHW, SSW   | 3 to 7                 | 24               |
| (Prefix)-(*)30HBP     | SPW, SHW, SSW   | 3 to 7                 | 30               |
| (Prefix)-(*)36HBP     | SPW, SHW, SSW   | 3 to 7                 | 36               |

Furnished in pairs with hardware.

(\*) Insert side rail height.

(\*\*) Exception only for SHW finish in 18" width product is SHW618HBPC, a "C" must be added at the end of the product code.

Side rail 6 inches only.

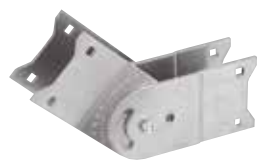
#### Optional rung information (provides additional cable support)

| Cat. no.         | Material prefix | Tray width (in.) |
|------------------|-----------------|------------------|
| (Prefix)-R(*)HBP | SPW, SHW, SSW   | 06               |
|                  | SPW, SHW, SSW   | 09               |
|                  | SPW, SHW, SSW   | 12               |
|                  | SPW, SHW, SSW   | 18               |
|                  | SPW, SHW, SSW   | 24               |
|                  | SPW, SHW, SSW   | 30               |
|                  | SPW, SHW, SSW   | 36               |

\* Insert tray width

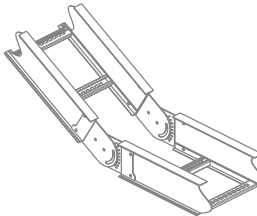
Steel splice plates

Vertical adjustable plates, branch pivot connectors and box-to-tray plates



- Hinged vertical plates provide maximum flexibility for changes in elevation
- Packaged in pairs with hardware

Vertical adjustable plate

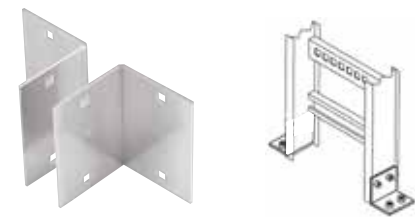
|  | Cat. no.       | Material prefix | Side rail height (in.) |
|-----------------------------------------------------------------------------------|----------------|-----------------|------------------------|
|                                                                                   | (Prefix)-3-VSP | SPW, SHW, SSW   | 3                      |
|                                                                                   | (Prefix)-4-VSP | SPW, SHW, SSW   | 4                      |
|                                                                                   | (Prefix)-5-VSP | SPW, SHW, SSW   | 5                      |
|                                                                                   | (Prefix)-6-VSP | SPW, SHW, SSW   | 6                      |
|                                                                                   | (Prefix)-7-VSP | SPW, SHW, SSW   | 7                      |

Branch pivot connectors

|  | Cat. no.       | Material prefix | Side rail height (in.) |
|-------------------------------------------------------------------------------------|----------------|-----------------|------------------------|
|                                                                                     | (Prefix)-3-BPC | SPW, SHW, SSW   | 3                      |
|                                                                                     | (Prefix)-4-BPC | SPW, SHW, SSW   | 4                      |
|                                                                                     | (Prefix)-5-BPC | SPW, SHW, SSW   | 5                      |
|                                                                                     | (Prefix)-6-BPC | SPW, SHW, SSW   | 6                      |
|                                                                                     | (Prefix)-7-BPC | SPW, SHW, SSW   | 7                      |

Allows cables to run from one tray level to another.

Box-to-tray plates

|  | Cat. no.       | Material prefix | Side rail height (in.) |
|-------------------------------------------------------------------------------------|----------------|-----------------|------------------------|
|                                                                                     | (Prefix)-3-BSP | SPW, SHW, SSW   | 3                      |
|                                                                                     | (Prefix)-4-BSP | SPW, SHW, SSW   | 4                      |
|                                                                                     | (Prefix)-5-BSP | SPW, SHW, SSW   | 5                      |
|                                                                                     | (Prefix)-6-BSP | SPW, SHW, SSW   | 6                      |
|                                                                                     | (Prefix)-7-BSP | SPW, SHW, SSW   | 7                      |

Designed to secure tray to electrical panels or boxes, walls or end supports. Packaged in pairs with hardware.



## Steel splice plates

### Closure end plate and reducing splice plate



- Used in pairs to provide a straight reduction or used with a standard splice plate for an offset reduction
- One per package with hardware

#### Reducing splice plate

|  | Cat. no.          | Material prefix | Side rail height (in.) |
|--|-------------------|-----------------|------------------------|
|  | (Prefix)-3-(*)RSP | SPW, SHW, SSW   | 3                      |
|  | (Prefix)-4-(*)RSP | SPW, SHW, SSW   | 4                      |
|  | (Prefix)-5-(*)RSP | SPW, SHW, SSW   | 5                      |
|  | (Prefix)-6-(*)RSP | SPW, SHW, SSW   | 6                      |
|  | (Prefix)-7-(*)RSP | SPW, SHW, SSW   | 7                      |

\* For offset reduction: Insert width to be reduced. For straight reduction: Insert  $\frac{1}{2}$  width to be reduced (2 required).  
 Example: SPW-503-RSP = 3 in. offset reducer

#### Closure end plate

- Side rail heights: 3, 4, 5, 6, 7 in.
- Tray widths: 06, 09, 12, 18, 24, 30, 36, 42 in.

|  | Cat. no.              | Material prefix | Side rail height (in.) | Tray width (in.) |
|--|-----------------------|-----------------|------------------------|------------------|
|  | (Prefix)-(*)-(**)-CEP | SPW, SHW, SSW   | 3 to 7                 | 06 to 42         |

Provides closure for any tray end. Hardware included.

(\*) Side rail height

(\*\*) Insert tray width

# Steel splice plates

## Super-Duty Splice Plate



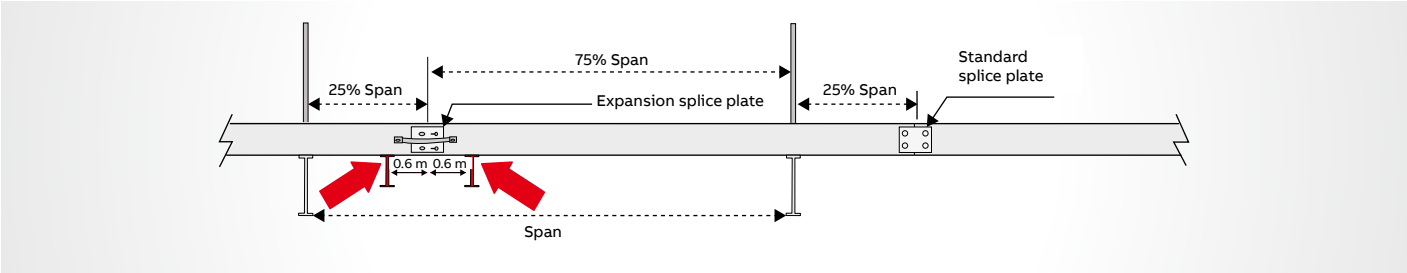
- High-strength design enables reduction of supports recommended for NEMA standard installations at the expansion joint, significantly reducing material and labour costs
- Unique reinforced design eliminates the need to drill and install additional hardware on the flange, saving installation time

Super-Duty Splice Plate

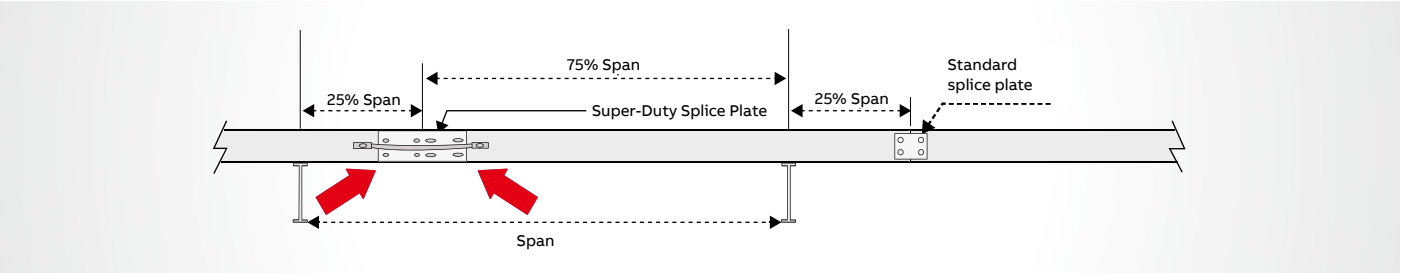
| Cat. no.       | Material prefix | Side rail height (in.) |
|----------------|-----------------|------------------------|
| (Prefix)-4-SDP | SPW, SHW, SSW   | 4                      |
| (Prefix)-5-SDP | SPW, SHW, SSW   | 5                      |
| (Prefix)-6-SDP | SPW, SHW, SSW   | 6                      |
| (Prefix)-7-SDP | SPW, SHW, SSW   | 7                      |

Comes complete with 16 bolts, 8 stop nuts, 8 nuts, 8 nylon, washers, 3/8 in. diameter required, for either expansion or mid-span splicing.

01



02



- 01 Additional supports per NEMA standard installation
- 02 No additional supports needed with Super-Duty Splice Plate

## Steel cable protection

### Drop out and wall penetration sleeve



- Designed to provide a smooth radius surface at any position on the tray or trough bottom
- Drop outs are easily attached using hardware provided
- Standard radius = 4 in.

#### Drop out

|  | Cat. no.           | Material prefix | Tray width (in.) |
|--|--------------------|-----------------|------------------|
|  | (Prefix)-(*)-DO(S) | SPW, SHW, SSW   | 06               |
|  |                    | SPW, SHW, SSW   | 09               |
|  |                    | SPW, SHW, SSW   | 12               |
|  |                    | SPW, SHW, SSW   | 18               |
|  |                    | SPW, SHW, SSW   | 24               |
|  |                    | SPW, SHW, SSW   | 30               |
|  |                    | SPW, SHW, SSW   | 36               |
|  |                    | SPW, SHW, SSW   | 42               |

(\*) Insert tray width  
(S) Solid tray only



Sold with cover

- Designed to pass through walls and fire walls
- Hardware included
- Note: not fire rated
- Fire stop not included
- Side rail heights: 3, 4, 5, 6, 7 in.
- Tray widths: 06, 09, 12, 18, 24, 30, 36, 42 in.

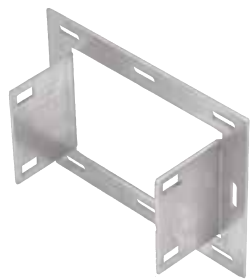
#### Wall penetration sleeve

| Cat. no.              | Material prefix | Side rail height (in.) | Tray width (in.) |
|-----------------------|-----------------|------------------------|------------------|
| (Prefix)-(*)-(**)-WPS | SPW, SHW, SSW   | 3 to 7                 | 06 to 42         |

(\*) Insert side rail height.  
(\*\*) Insert tray width

Steel cable protection

Frame-type tray-to-box plate and nylon expansion pad



- Designed to secure tray to electrical enclosures and panels
- Hardware included
- Side rail heights: 3, 4, 5, 6, 7 in.
- Tray widths: 06, 09, 12, 18, 24, 30, 36, 42 in.

Frame-type tray-to-box plate

| Cat. no.              | Material prefix | Side rail height (in.) | Tray width (in.) |
|-----------------------|-----------------|------------------------|------------------|
| (Prefix)-(*)-(**)-FBP | SPW, SHW, SSW   | 3 to 7                 | 06 to 42         |

(\*) Insert side rail height.  
(\*\*) Insert tray width

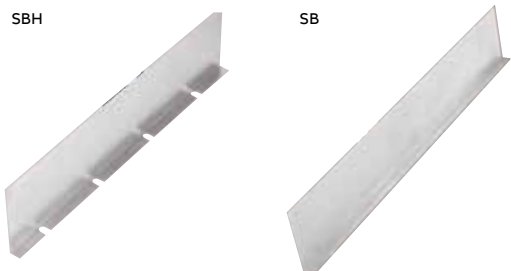
Nylon expansion pad

|  | Cat. no. | Material      |
|--|----------|---------------|
|  | ABW-NSP  | Natural nylon |

Allows for thermal expansion and contraction of cable trays over supports.

## Steel barrier strips

Barrier strips and vertical bend barriers



- Barrier strips provide a method of separating cables in tray and trough systems
- Easily installed using supplied hardware or barrier strip clamps (sold separately)
- 72 in. barriers are flexible for use with horizontal fittings

### Barrier strips

| Cat. no.           | Material prefix | Designed for side rail height (in.) | Length         |
|--------------------|-----------------|-------------------------------------|----------------|
| (Prefix)-3-SBH-72  | SPW, SHW, SSW   | 3                                   | 72 in.         |
| (Prefix)-4-SBH-72  | SPW, SHW, SSW   | 4                                   | 72 in.         |
| (Prefix)-5-SBH-72  | SPW, SHW, SSW   | 5                                   | 72 in.         |
| (Prefix)-6-SBH-72  | SPW, SHW, SSW   | 6                                   | 72 in.         |
| (Prefix)-7-SBH-72  | SPW, SHW, SSW   | 7                                   | 72 in.         |
| (Prefix)-3-SB-(* ) | SPW, SHW, SSW   | 3                                   | 144 in.<br>3 m |
| (Prefix)-4-SB-(* ) | SPW, SHW, SSW   | 4                                   | 144 in.<br>3 m |
| (Prefix)-5-SB-(* ) | SPW, SHW, SSW   | 5                                   | 144 in.<br>3 m |
| (Prefix)-6-SB-(* ) | SPW, SHW, SSW   | 6                                   | 144 in.<br>3 m |
| (Prefix)-7-SB-(* ) | SPW, SHW, SSW   | 7                                   | 144 in.<br>3 m |

Barriers provided with self drilling-tapping screw CAT. NO. SPW10SCR 72 in. length: 3 screw 3 m length: 5 screw 144 in. length: 6 screw. SHW barriers are only available in 72 in. or 1,500 mm.

(\*) Insert length.



- Preformed to fit all standard steel vertical bends
- Provided with hardware

### Inside/outside vertical bend barriers

| Inside bend cat. no.    | Outside bend cat. no.   | Material prefix | Designed for side rail height (in.) |
|-------------------------|-------------------------|-----------------|-------------------------------------|
| (Prefix)-3-VIB-(* )-(+) | (Prefix)-3-VOB-(* )-(+) | SPW, SHW, SSW   | 3                                   |
| (Prefix)-4-VIB-(* )-(+) | (Prefix)-4-VOB-(* )-(+) | SPW, SHW, SSW   | 4                                   |
| (Prefix)-5-VIB-(* )-(+) | (Prefix)-5-VOB-(* )-(+) | SPW, SHW, SSW   | 5                                   |
| (Prefix)-6-VIB-(* )-(+) | (Prefix)-6-VOB-(* )-(+) | SPW, SHW, SSW   | 6                                   |
| (Prefix)-7-VIB-(* )-(+) | (Prefix)-7-VOB-(* )-(+) | SPW, SHW, SSW   | 7                                   |

(\*) Insert bend degree

(+) Insert bend radius.

Steel clamps and hardware

Barrier strip clamp and strip splice



- Barrier strip clamps mount barrier strips to ladder rungs and ventilated trough bottoms
- Complete mounting hardware supplied

Barrier strip clamp

|                                                                                   | Cat. no.     | Material prefix |
|-----------------------------------------------------------------------------------|--------------|-----------------|
|  | (Prefix)-BSC | SPW             |
|                                                                                   |              | SSW             |

Barrier strip splice

|                                                                                     | Cat. no. |
|-------------------------------------------------------------------------------------|----------|
|  | ABW-BSS  |

Alignment splice for joining connecting barrier strips.

## Steel clamps and hardware

### Cable tray combo clamp

#### Cable tray combo clamp

|                                                                                                                                                                                                                                                               | Cat. no.    | Material                 | Hardware size (in.) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------|---------------------|
| <br><br> | SPWCHGC     | Pregalvanized steel      | $\frac{3}{8}$       |
|                                                                                                                                                                                                                                                               | SHWCHGC     | Hot-dip galvanized steel | $\frac{3}{8}$       |
|                                                                                                                                                                                                                                                               | SSWCHGC     | 316 stainless            | $\frac{3}{8}$       |
|                                                                                                                                                                                                                                                               | SPWCHGC-HDW | Pregalvanized steel      | $\frac{3}{8}$       |
|                                                                                                                                                                                                                                                               | SHWCHGC-HDW | Hot-dip galvanized steel | $\frac{3}{8}$       |
|                                                                                                                                                                                                                                                               | SSWCHGC-HDW | 316 stainless            | $\frac{3}{8}$       |

\*Hardware supplied: 1 bolt and 1 springless strut nut  $\frac{3}{8}$  in. diameter.

#### Steel tray hardware

|                                                                                     | Cat. no.       | Material          | Description                                             |
|-------------------------------------------------------------------------------------|----------------|-------------------|---------------------------------------------------------|
|  | SPW-1/4-CB     | Zinc-plated steel | $\frac{1}{4}$ in. carriage bolt                         |
|                                                                                     | SPW-3/8-CB     | Zinc-plated steel | $\frac{3}{8}$ in. carriage bolt                         |
|                                                                                     | SPW-1/4-HN     | Zinc-plated steel | $\frac{1}{4}$ in. serrated flange hex nut               |
|                                                                                     | SPW-3/8-HN     | Zinc-plated steel | $\frac{3}{8}$ in. hex nut                               |
|                                                                                     | SPW3/8HWK*     | Zinc-plated steel | Hardware kit                                            |
|                                                                                     | SPW-3/8HXHWK** | Zinc-plated steel | Hardware kit $\frac{3}{8}$ in. for large radius crosses |
|                                                                                     | SSW-3/8-CB     | 316 stainless     | $\frac{3}{8}$ in. carriage bolt                         |
|                                                                                     | SSW-3/8-HN     | 316 stainless     | $\frac{3}{8}$ in. hex nut                               |
|                                                                                     | SSW38HWK*      | 316 stainless     | 316 stainless steel hardware kit                        |
|                                                                                     | SSW-3/8HXHWK** | 316 stainless     | Hardware kit $\frac{3}{8}$ in. for large radius crosses |

Square shoulder self-positioning carriage bolt.

\* Contains 8 nuts and 8 bolts.

\*\*Contains 6 bolts, 6 nuts and 6 washers.

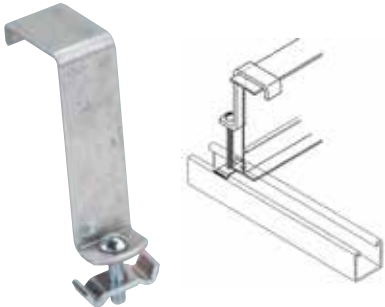
Steel clamps and hardware

Tapping screw, hold-down clamps and conduit clamp

Self-drilling tapping screw

|                                                                                   | Cat. no.   | Material          | Description                 |
|-----------------------------------------------------------------------------------|------------|-------------------|-----------------------------|
|  | SPW-10-SCR | Zinc-plated steel | Self-drilling tapping screw |
|                                                                                   | SSW-10-SCR | Stainless steel   | Self-drilling tapping screw |

Hold-down clamp

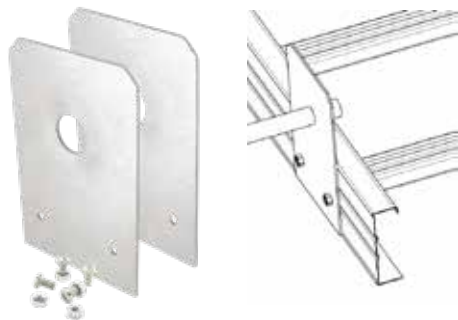
|                                                                                    | Cat. no.       | Material prefix | Side rail height (in.) |
|------------------------------------------------------------------------------------|----------------|-----------------|------------------------|
|  | (Prefix)-3-HDC | SPW, SHW, SSW   | 3                      |
|                                                                                    | (Prefix)-4-HDC | SPW, SHW, SSW   | 4                      |
|                                                                                    | (Prefix)-5-HDC | SPW, SHW, SSW   | 5                      |
|                                                                                    | (Prefix)-6-HDC | SPW, SHW, SSW   | 6                      |
|                                                                                    | (Prefix)-7-HDC | SPW, SHW, SSW   | 7                      |

Hardware included. Kit contains 1 bolt and 1 channel nut.

Hold-down clamp

|                                                                                     | Cat. no. | Type   | Material              | Design load   |
|-------------------------------------------------------------------------------------|----------|--------|-----------------------|---------------|
|  | SPWHDCS  | Single | Pregalvanized         | 800 lb/pair   |
|                                                                                     | SHWHDCS  | Single | Hot-dipped galvanized | 800 lb/pair   |
|                                                                                     | SSWHDCS  | Single | Stainless steel 316   | 800 lb/pair   |
|                                                                                     | SPWHDCD  | Double | Pregalvanized         | 1,500 lb/pair |
|                                                                                     | SHWHDCD  | Double | Hot-dipped galvanized | 1,500 lb/pair |
|                                                                                     | SSWHDCD  | Double | Stainless steel 316   | 1,500 lb/pair |

Conduit clamp

|                                                                                     | Cat. no. | Size (in.) | Material      |
|-------------------------------------------------------------------------------------|----------|------------|---------------|
|  | PU100CC  | 1          | Pregalvanized |
|                                                                                     | PU125CC  | 1¼         | Pregalvanized |
|                                                                                     | PU150CC  | 1½         | Pregalvanized |
|                                                                                     | PU200CC  | 2          | Pregalvanized |
|                                                                                     | PU250CC  | 2½         | Pregalvanized |
|                                                                                     | PU300CC  | 3          | Pregalvanized |
|                                                                                     | PU400CC  | 4          | Pregalvanized |



Steel clamps and hardware

Cable tray guide, clamp and vertical tray hanger



- Expansion guide for single or double runs of cable tray
- No need to field drill channel or I-beam

Cable tray guide

|  | Cat. no. | Material                    |
|--|----------|-----------------------------|
|  | SPW-CTG  | Zinc-plated steel           |
|  | SHW-CTG  | Hot-dipped galvanized steel |
|  | SSW-CTG  | Stainless steel             |



Cable tray clamp

|  | Cat. no. | Material                    |
|--|----------|-----------------------------|
|  | SPW-CTC  | Zinc-plated steel           |
|  | SHW-CTC  | Hot-dipped galvanized steel |
|  | SSW-CTC  | Stainless steel             |

Vertical tray hanger

|  | Cat. no.         | Material prefix | Side rail height (in.) |
|--|------------------|-----------------|------------------------|
|  | (Prefix)-(*)-VTH | SPW, SHW, SSW   | 3                      |
|  |                  | SPW, SHW, SSW   | 4                      |
|  |                  | SPW, SHW, SSW   | 5                      |
|  |                  | SPW, SHW, SSW   | 6                      |
|  |                  | SPW, SHW        | 7                      |

(\*) Insert side rail height

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# One-piece tray

## Selection guide



### Ventilated trough

- Formed from a pre-punched sheet to produce a one-piece ventilated trough
- Available in aluminum, pregalvanized steel, hot-dipped galvanized steel and stainless steel 316
- Fittings are also available to complete this cable tray system



### Solid trough

- Fabricated from one sheet to form a continuous one-piece tray design
- Available in aluminum, pregalvanized steel, hot-dipped galvanized steel and stainless steel 316
- Fittings are also available to complete this cable tray system

## One-piece tray

### Selection guide

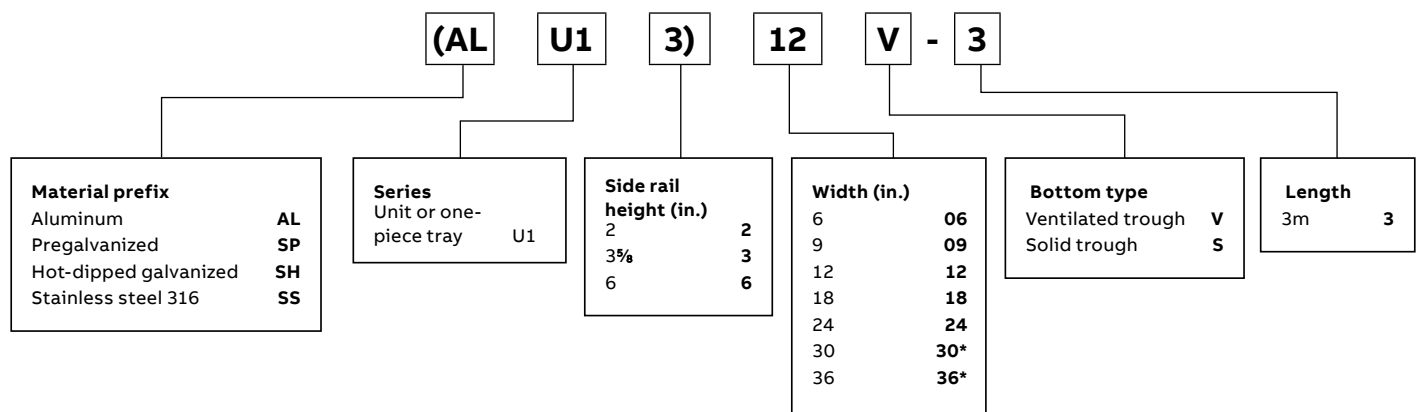
#### Straight section number selection

##### How to create part numbers

ABB has created a numbering system based on the order of selection criteria. For example, the first selection issue is the environment to which the cable tray will be subjected. This selection will lead to the best material for your application. For complete details on the cable tray selection process, see page A8.

##### Methods

1. Select the material best suited to your environment. Refer to technical section page A8.
2. Determine the tray series using the NEMA load/span designations page A14, and sizing cable tray page A21.
3. Select nominal depth and width of tray based on cable loading. See sizing cable tray page A21.
4. Select the bottom type based on cables and spacing requirements.
5. The last number is the length of the cable tray.



\*Welded flat rung

Standard straight length is 10 feet nominal  
3m = 9.842 ft.

One-piece tray straight lengths

2 in. straight sections/AL, SP, SH, SS – Solid and vented



Technical specifications

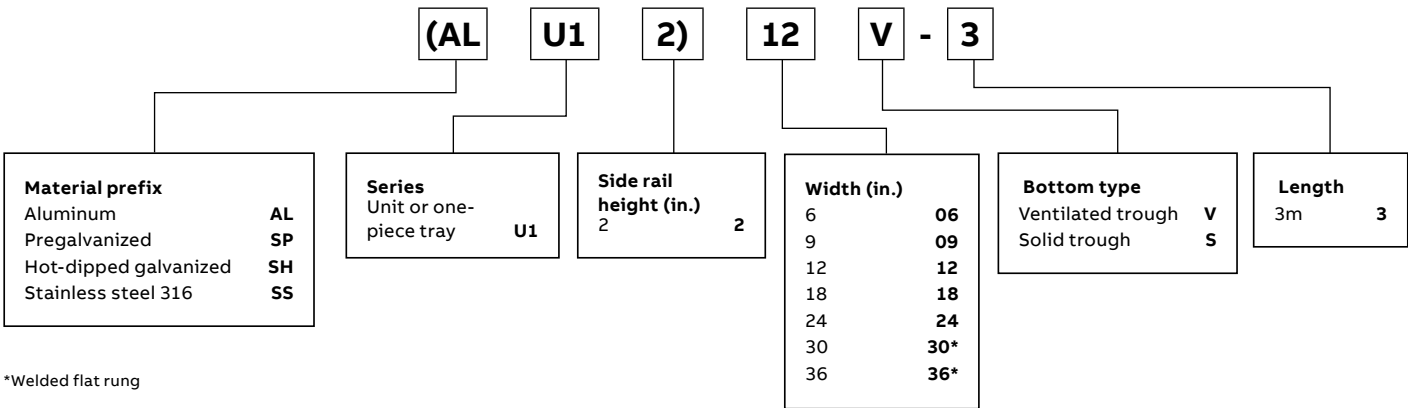
All calculations and data are based on 36 in. wide cable trays with rungs spaced on 12 in. centers with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

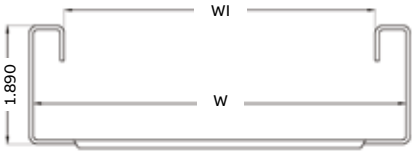
2 in. straight sections/AL, SP, SH, SS – Solid and vented

|                |                   | Support span (feet) |       |       |
|----------------|-------------------|---------------------|-------|-------|
| Series         |                   | 6                   | 8     | 10    |
| ALU12          | Load (lb/ft.)     | 69                  | 39    | 25    |
|                | Deflection (in.)  | 0.382               | 0.730 | 1.000 |
|                | Deflection factor | 0.006               | 0.019 | 0.040 |
| SPU12<br>SHU12 | Load (lb/ft.)     | 69                  | 39    | 25    |
|                | Deflection (in.)  | 0.382               | 0.730 | 1.000 |
|                | Deflection factor | 0.006               | 0.019 | 0.040 |
| SSU12          | Load (lb/ft.)     | 69                  | 39    | 25    |
|                | Deflection (in.)  | 0.382               | 0.730 | 1.000 |
|                | Deflection factor | 0.006               | 0.019 | 0.040 |

Straight section number selection



—  
Dimensions

|                                                                                   |  | All U12 series (dimensions) |          |
|-----------------------------------------------------------------------------------|--|-----------------------------|----------|
|                                                                                   |  | W (in.)                     | Wi (in.) |
|  |  | 6                           | 5.0      |
|                                                                                   |  | 9                           | 8.0      |
|                                                                                   |  | 12                          | 11.0     |
|                                                                                   |  | 18                          | 17.0     |
|                                                                                   |  | 24                          | 23.0     |
|                                                                                   |  | 30                          | 29.0     |
|                                                                                   |  | 36                          | 35.0     |

**Technical specifications**  
**Load ratings:** 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any portion of tray above and beyond published load class.

—  
Load ratings: 1.5 safety factor

|        |            |      | Classifications |  |
|--------|------------|------|-----------------|--|
| Series | Dimensions | NEMA | CSA             |  |
| ALU12  | See above  | –    | A               |  |
| SPU12  | See above  | –    | A               |  |
| SHU12  | See above  | –    | A               |  |
| SSU12  | See above  | –    | A               |  |

One-piece tray straight lengths

3⅝ in. straight sections/AL, SP, SH, SS – Solid and vented



Technical specifications

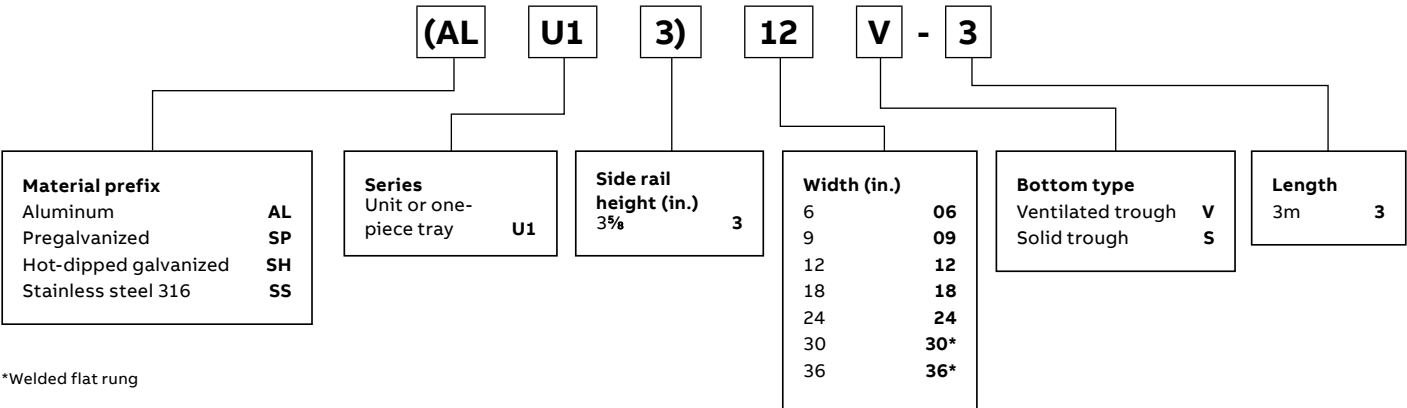
All calculations and data are based on 36 in. wide cable trays with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

3⅝ straight sections/AL, SP, SH, SS – Solid and vented

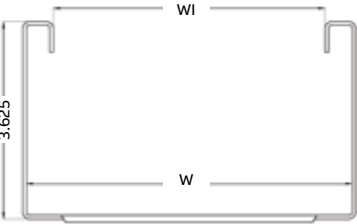
|                |                   | Support span (feet) |       |       |
|----------------|-------------------|---------------------|-------|-------|
| Series         |                   | 6                   | 8     | 10    |
| ALU13          | Load (lb/ft.)     | 180                 | 101   | 65    |
|                | Deflection (in.)  | 0.382               | 0.430 | 0.540 |
|                | Deflection factor | 0.002               | 0.004 | 0.008 |
| SPU13<br>SHU13 | Load (lb/ft.)     | 180                 | 101   | 65    |
|                | Deflection (in.)  | 0.125               | 0.250 | 0.320 |
|                | Deflection factor | 0.001               | 0.002 | 0.005 |
| SSU13          | Load (lb/ft.)     | 180                 | 101   | 65    |
|                | Deflection (in.)  | 0.125               | 0.250 | 0.320 |
|                | Deflection factor | 0.001               | 0.002 | 0.005 |

Straight section number selection



—

Dimensions

| All U13 series (dimensions)                                                       |         |          |
|-----------------------------------------------------------------------------------|---------|----------|
|                                                                                   | W (in.) | Wi (in.) |
|  | 6       | 5.0      |
|                                                                                   | 9       | 8.0      |
|                                                                                   | 12      | 11.0     |
|                                                                                   | 18      | 17.0     |
|                                                                                   | 24      | 23.0     |
|                                                                                   | 30      | 29.0     |
|                                                                                   | 36      | 35.0     |

**Technical specifications**  
**Load ratings:** 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any portion of tray above and beyond published load class.

—

Load ratings: 1.5 safety factor

|        |            |      | Classifications |  |
|--------|------------|------|-----------------|--|
| Series | Dimensions | NEMA | CSA             |  |
| ALU13  | See above  | 8C   | C               |  |
| SPU13  | See above  | 8C   | C               |  |
| SHU13  | See above  | 8C   | C               |  |
| SSU13  | See above  | 8C   | C               |  |

One-piece tray straight lengths

6 in. straight sections/AL, SP, SH, SS – Solid and vented



Technical specifications

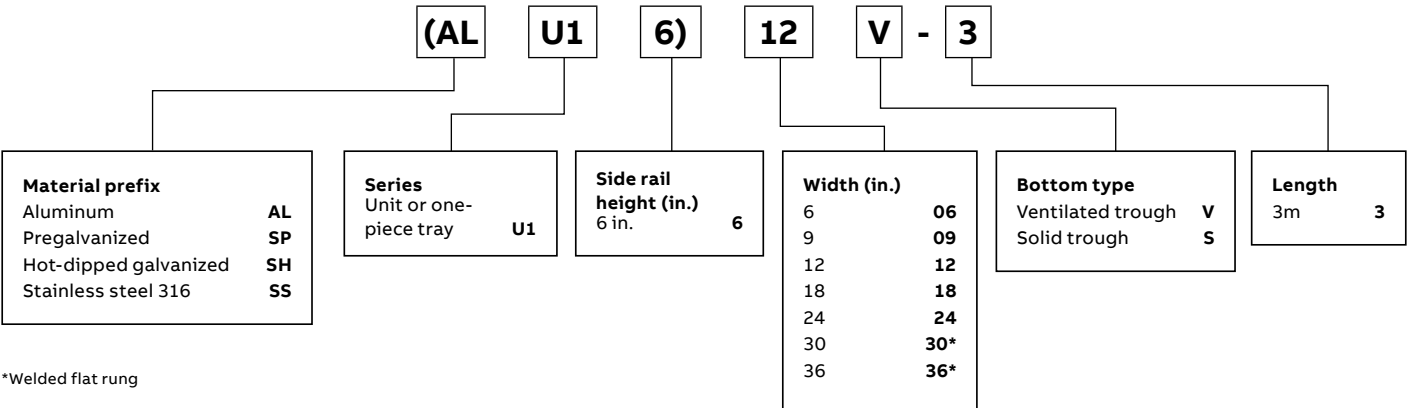
All calculations and data are based on 36 in. wide cable trays with tray supported as simple spans with deflection measured at the midpoint. Continuous spans may reduce deflection by as much as 50%.

**Deflection factor:** For lighter loads, deflection at any length can be calculated by multiplying the load by the deflection factor.

6 in. straight sections/AL, SP, SH, SS – Solid and vented

|                |                   | Support span (feet) |       |       |
|----------------|-------------------|---------------------|-------|-------|
| Series         |                   | 6                   | 8     | 10    |
| ALU16          | Load (lb/ft.)     | 180                 | 101   | 65    |
|                | Deflection (in.)  | 0.082               | 0.128 | 0.160 |
|                | Deflection Factor | 0.000               | 0.001 | 0.008 |
| SPU16<br>SHU16 | Load (lb/ft.)     | 180                 | 101   | 65    |
|                | Deflection (in.)  | 0.125               | 0.250 | 0.320 |
|                | Deflection Factor | 0.001               | 0.002 | 0.005 |
| SSU16          | Load (lb/ft.)     | 180                 | 101   | 65    |
|                | Deflection (in.)  | 0.125               | 0.250 | 0.320 |
|                | Deflection Factor | 0.001               | 0.002 | 0.005 |

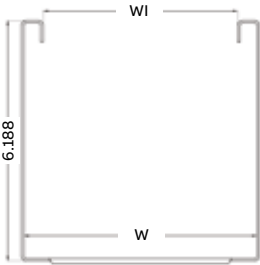
Straight section number selection





—

Dimensions

|                                                                                   | All U16 series (dimensions) |          |
|-----------------------------------------------------------------------------------|-----------------------------|----------|
|                                                                                   | W (in.)                     | Wi (in.) |
|  | 6                           | 5.0      |
|                                                                                   | 9                           | 8.0      |
|                                                                                   | 12                          | 11.0     |
|                                                                                   | 18                          | 17.0     |
|                                                                                   | 24                          | 23.0     |
|                                                                                   | 30                          | 29.0     |
|                                                                                   | 36                          | 35.0     |

**Technical specifications**  
**Load ratings:** 1.5 safety factor. All tray sections will support an additional 200 lb concentrated load on any portion of tray above and beyond published load class.

—

Load ratings: 1.5 safety factor

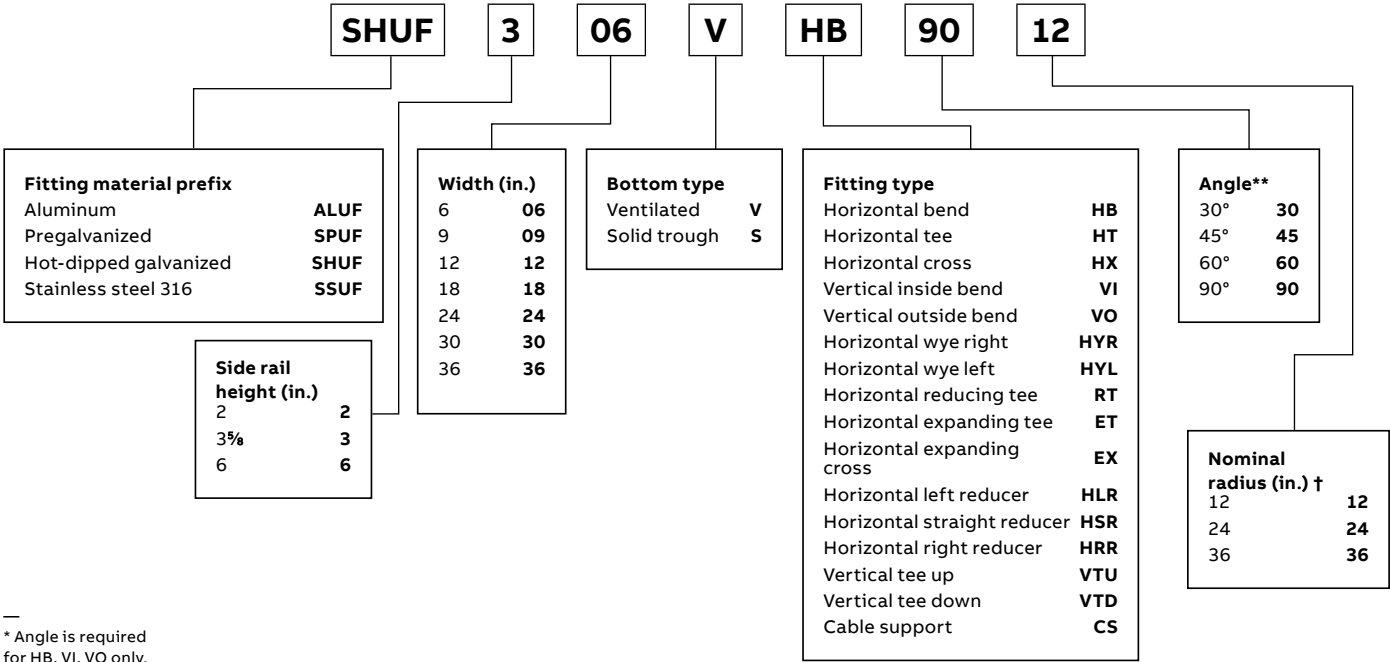
|  | Series | Dimensions | Classifications |     |
|--|--------|------------|-----------------|-----|
|  |        |            | NEMA            | CSA |
|  | ALU16  | See above  | 8C              | C   |
|  | SPU16  | See above  | 8C              | C   |
|  | SHU16  | See above  | 8C              | C   |
|  | SSU16  | See above  | 8C              | C   |

# One-piece tray

## Fittings



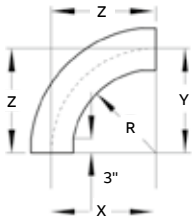
### Fittings number selection



## One-piece tray

### 90° Horizontal bend fittings

#### 90° Horizontal bend



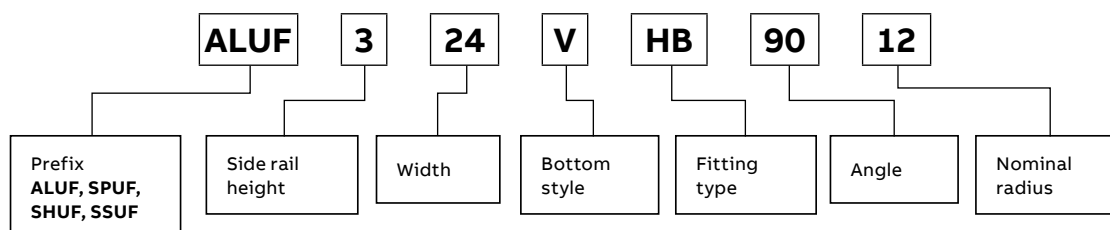
|  | Nominal<br>radius (in.) | Nominal<br>width<br>(in.) | Cat. no.                 | Dimensions (in.) |     |      |
|--|-------------------------|---------------------------|--------------------------|------------------|-----|------|
|  |                         |                           |                          | X                | Y   | Z    |
|  | 12                      | 06                        | Prefix(t)-06-(*)-HB90-12 | 15               | 15  | 15   |
|  | 12                      | 09                        | Prefix(t)-09-(*)-HB90-12 | 16½              | 16½ | 16½  |
|  | 12                      | 12                        | Prefix(t)-12-(*)-HB90-12 | 18               | 18  | 18   |
|  | 12                      | 18                        | Prefix(t)-18-(*)-HB90-12 | 21               | 21  | 21   |
|  | 12                      | 24                        | Prefix(t)-24-(*)-HB90-12 | 24               | 24  | 24   |
|  | 12                      | 30                        | Prefix(t)-30-(*)-HB90-12 | 27               | 27  | 27   |
|  | 12                      | 36                        | Prefix(t)-36-(*)-HB90-12 | 30               | 30  | 30   |
|  | 24                      | 06                        | Prefix(t)-06-(*)-HB90-24 | 27               | 27  | 17   |
|  | 24                      | 09                        | Prefix(t)-09-(*)-HB90-24 | 28½              | 28½ | 28 ½ |
|  | 24                      | 12                        | Prefix(t)-12-(*)-HB90-24 | 30               | 30  | 30   |
|  | 24                      | 18                        | Prefix(t)-18-(*)-HB90-24 | 33               | 33  | 33   |
|  | 24                      | 24                        | Prefix(t)-24-(*)-HB90-24 | 36               | 36  | 36   |
|  | 24                      | 30                        | Prefix(t)-30-(*)-HB90-24 | 39               | 39  | 39   |
|  | 24                      | 36                        | Prefix(t)-36-(*)-HB90-24 | 42               | 42  | 42   |
|  | 36                      | 06                        | Prefix(t)-06-(*)-HB90-36 | 39               | 39  | 39   |
|  | 36                      | 09                        | Prefix(t)-09-(*)-HB90-36 | 40½              | 40½ | 40½  |
|  | 36                      | 12                        | Prefix(t)-12-(*)-HB90-36 | 42               | 42  | 42   |
|  | 36                      | 18                        | Prefix(t)-18-(*)-HB90-36 | 45               | 45  | 45   |
|  | 36                      | 24                        | Prefix(t)-24-(*)-HB90-36 | 48               | 48  | 48   |
|  | 36                      | 30                        | Prefix(t)-30-(*)-HB90-36 | 51               | 51  | 51   |
|  | 36                      | 36                        | Prefix(t)-36-(*)-HB90-36 | 54               | 54  | 54   |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no.  
Includes 1 pair of splice plates with hardware.

#### Selection guide

- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Inside tray widths: 06, 09, 12, 18, 24, 30, 36 in.
- Angle: 90°
- Nominal radius: 12, 24, 36 in.
- Bottom styles: V– ventilated, S– solid
- Side rail height: 2, 3, 6 in.

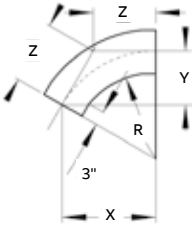
#### Part numbering system



One-piece tray

60° Horizontal bend fittings

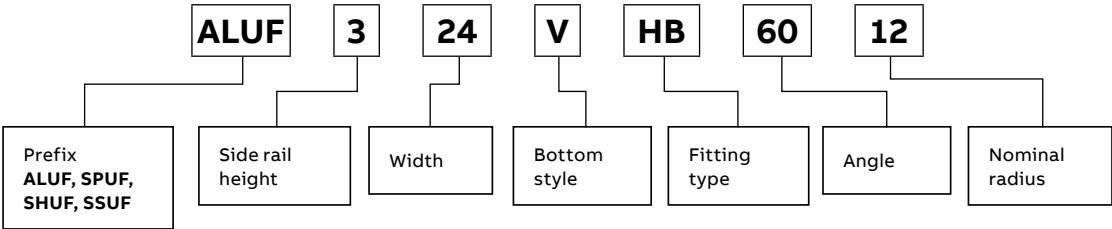
60° Horizontal bend

|                                                                                                                                                                         | Nominal<br>radius (in.) | Nominal<br>width<br>(in.) | Cat. no.                 | Dimensions (in.)                 |                                |                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------|--------------------------|----------------------------------|--------------------------------|----------------------------------|
|                                                                                                                                                                         |                         |                           |                          | X                                | Y                              | Z                                |
| <br> | 12                      | 06                        | Prefix(t)-06-(*)-HB60-12 | 14 <sup>7</sup> / <sub>8</sub>   | 8 <sup>5</sup> / <sub>8</sub>  | 9 <sup>15</sup> / <sub>16</sub>  |
|                                                                                                                                                                         | 12                      | 09                        | Prefix(t)-09-(*)-HB60-12 | 16 <sup>3</sup> / <sub>16</sub>  | 9 <sup>3</sup> / <sub>8</sub>  | 10 <sup>13</sup> / <sub>16</sub> |
|                                                                                                                                                                         | 12                      | 12                        | Prefix(t)-12-(*)-HB60-12 | 17 <sup>1</sup> / <sub>2</sub>   | 10 <sup>1</sup> / <sub>8</sub> | 11 <sup>11</sup> / <sub>16</sub> |
|                                                                                                                                                                         | 12                      | 18                        | Prefix(t)-18-(*)-HB60-12 | 20 <sup>1</sup> / <sub>16</sub>  | 11 <sup>5</sup> / <sub>8</sub> | 13 <sup>3</sup> / <sub>8</sub>   |
|                                                                                                                                                                         | 12                      | 24                        | Prefix(t)-24-(*)-HB60-12 | 22 <sup>11</sup> / <sub>16</sub> | 13 <sup>3</sup> / <sub>8</sub> | 15 <sup>1</sup> / <sub>8</sub>   |
|                                                                                                                                                                         | 12                      | 30                        | Prefix(t)-30-(*)-HB60-12 | 25 <sup>5</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>8</sub> | 16 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                                                                                         | 12                      | 36                        | Prefix(t)-36-(*)-HB60-12 | 27 <sup>7</sup> / <sub>8</sub>   | 16 <sup>1</sup> / <sub>8</sub> | 18 <sup>9</sup> / <sub>16</sub>  |
|                                                                                                                                                                         | 24                      | 06                        | Prefix(t)-06-(*)-HB60-24 | 25 <sup>5</sup> / <sub>16</sub>  | 14 <sup>5</sup> / <sub>8</sub> | 16 <sup>7</sup> / <sub>8</sub>   |
|                                                                                                                                                                         | 24                      | 09                        | Prefix(t)-09-(*)-HB60-24 | 26 <sup>19</sup> / <sub>32</sub> | 15 <sup>3</sup> / <sub>8</sub> | 17 <sup>23</sup> / <sub>32</sub> |
|                                                                                                                                                                         | 24                      | 12                        | Prefix(t)-12-(*)-HB60-24 | 27 <sup>7</sup> / <sub>8</sub>   | 16 <sup>1</sup> / <sub>8</sub> | 18 <sup>9</sup> / <sub>16</sub>  |
|                                                                                                                                                                         | 24                      | 18                        | Prefix(t)-18-(*)-HB60-24 | 30 <sup>1</sup> / <sub>2</sub>   | 17 <sup>7</sup> / <sub>8</sub> | 20 <sup>5</sup> / <sub>16</sub>  |
|                                                                                                                                                                         | 24                      | 24                        | Prefix(t)-24-(*)-HB60-24 | 33 <sup>1</sup> / <sub>16</sub>  | 19 <sup>1</sup> / <sub>8</sub> | 22 <sup>1</sup> / <sub>16</sub>  |
|                                                                                                                                                                         | 24                      | 30                        | Prefix(t)-30-(*)-HB60-24 | 35 <sup>11</sup> / <sub>16</sub> | 20 <sup>5</sup> / <sub>8</sub> | 23 <sup>13</sup> / <sub>16</sub> |
|                                                                                                                                                                         | 24                      | 36                        | Prefix(t)-36-(*)-HB60-24 | 38 <sup>1</sup> / <sub>4</sub>   | 22 <sup>1</sup> / <sub>8</sub> | 25 <sup>1</sup> / <sub>2</sub>   |
|                                                                                                                                                                         | 36                      | 06                        | Prefix(t)-06-(*)-HB60-36 | 35 <sup>11</sup> / <sub>16</sub> | 20 <sup>5</sup> / <sub>8</sub> | 23 <sup>13</sup> / <sub>16</sub> |
|                                                                                                                                                                         | 36                      | 09                        | Prefix(t)-09-(*)-HB60-36 | 36 <sup>31</sup> / <sub>32</sub> | 21 <sup>3</sup> / <sub>8</sub> | 24 <sup>21</sup> / <sub>32</sub> |
|                                                                                                                                                                         | 36                      | 12                        | Prefix(t)-12-(*)-HB60-36 | 38 <sup>1</sup> / <sub>4</sub>   | 22 <sup>1</sup> / <sub>8</sub> | 25 <sup>1</sup> / <sub>2</sub>   |
|                                                                                                                                                                         | 36                      | 18                        | Prefix(t)-18-(*)-HB60-36 | 40 <sup>7</sup> / <sub>8</sub>   | 23 <sup>3</sup> / <sub>8</sub> | 27 <sup>1</sup> / <sub>4</sub>   |
|                                                                                                                                                                         | 36                      | 24                        | Prefix(t)-24-(*)-HB60-36 | 43 <sup>1</sup> / <sub>2</sub>   | 25 <sup>1</sup> / <sub>8</sub> | 29                               |
|                                                                                                                                                                         | 36                      | 30                        | Prefix(t)-30-(*)-HB60-36 | 46 <sup>1</sup> / <sub>16</sub>  | 26 <sup>5</sup> / <sub>8</sub> | 30 <sup>11</sup> / <sub>16</sub> |
|                                                                                                                                                                         | 36                      | 36                        | Prefix(t)-36-(*)-HB60-36 | 48 <sup>11</sup> / <sub>16</sub> | 28 <sup>3</sup> / <sub>8</sub> | 32 <sup>7</sup> / <sub>16</sub>  |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no.  
Includes 1 pair of splice plates with hardware.

- Selection guide
- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
  - Inside tray widths: 06, 09, 12, 18, 24, 30, 36 in.
  - Angle: 60°
  - Nominal radius: 12, 24, 36 in.
  - Bottom styles: V– ventilated, S– solid
  - Side rail height: 2, 3, 6 in.

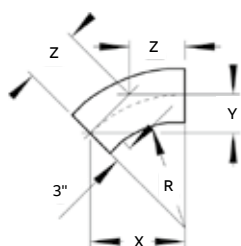
Part numbering system



## One-piece tray

### 45° Horizontal bend fittings

#### 45° Horizontal bend



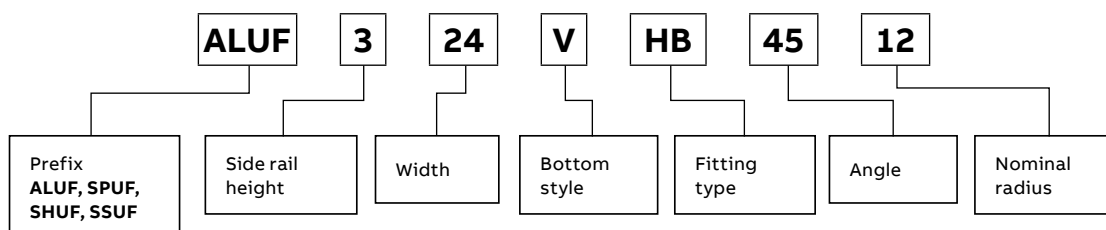
| Nominal radius (in.) | Nominal width (in.) | Cat. no.                 | Dimensions (in.)                 |                                  |                                  |
|----------------------|---------------------|--------------------------|----------------------------------|----------------------------------|----------------------------------|
|                      |                     |                          | X                                | Y                                | Z                                |
| 12                   | 06                  | Prefix(t)-06-(*)-HB45-12 | 13 <sup>5</sup> / <sub>8</sub>   | 5 <sup>5</sup> / <sub>8</sub>    | 8                                |
| 12                   | 09                  | Prefix(t)-09-(*)-HB45-12 | 14 <sup>11</sup> / <sub>16</sub> | 6 <sup>1</sup> / <sub>16</sub>   | 8 <sup>19</sup> / <sub>32</sub>  |
| 12                   | 12                  | Prefix(t)-12-(*)-HB45-12 | 15 <sup>3</sup> / <sub>4</sub>   | 6 <sup>1</sup> / <sub>2</sub>    | 9 <sup>3</sup> / <sub>16</sub>   |
| 12                   | 18                  | Prefix(t)-18-(*)-HB45-12 | 17 <sup>7</sup> / <sub>8</sub>   | 7 <sup>3</sup> / <sub>8</sub>    | 10 <sup>7</sup> / <sub>16</sub>  |
| 12                   | 24                  | Prefix(t)-24-(*)-HB45-12 | 20                               | 8 <sup>3</sup> / <sub>4</sub>    | 11 <sup>11</sup> / <sub>16</sub> |
| 12                   | 30                  | Prefix(t)-30-(*)-HB45-12 | 22 <sup>1</sup> / <sub>16</sub>  | 9 <sup>3</sup> / <sub>8</sub>    | 12 <sup>15</sup> / <sub>16</sub> |
| 12                   | 36                  | Prefix(t)-36-(*)-HB45-12 | 24 <sup>3</sup> / <sub>16</sub>  | 10                               | 14 <sup>3</sup> / <sub>16</sub>  |
| 24                   | 06                  | Prefix(t)-06-(*)-HB45-24 | 22 <sup>1</sup> / <sub>16</sub>  | 9 <sup>3</sup> / <sub>8</sub>    | 12 <sup>15</sup> / <sub>16</sub> |
| 24                   | 09                  | Prefix(t)-09-(*)-HB45-24 | 23 <sup>1</sup> / <sub>8</sub>   | 9 <sup>9</sup> / <sub>16</sub>   | 13 <sup>9</sup> / <sub>16</sub>  |
| 24                   | 12                  | Prefix(t)-12-(*)-HB45-24 | 24 <sup>3</sup> / <sub>16</sub>  | 10                               | 14 <sup>3</sup> / <sub>16</sub>  |
| 24                   | 18                  | Prefix(t)-18-(*)-HB45-24 | 26 <sup>5</sup> / <sub>16</sub>  | 10 <sup>15</sup> / <sub>16</sub> | 15 <sup>7</sup> / <sub>16</sub>  |
| 24                   | 24                  | Prefix(t)-24-(*)-HB45-24 | 28 <sup>7</sup> / <sub>16</sub>  | 11 <sup>13</sup> / <sub>16</sub> | 16 <sup>11</sup> / <sub>16</sub> |
| 24                   | 30                  | Prefix(t)-30-(*)-HB45-24 | 30 <sup>9</sup> / <sub>16</sub>  | 12 <sup>11</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> |
| 24                   | 36                  | Prefix(t)-36-(*)-HB45-24 | 32 <sup>11</sup> / <sub>16</sub> | 13 <sup>9</sup> / <sub>16</sub>  | 19 <sup>1</sup> / <sub>8</sub>   |
| 36                   | 06                  | Prefix(t)-06-(*)-HB45-36 | 30 <sup>9</sup> / <sub>16</sub>  | 12 <sup>11</sup> / <sub>16</sub> | 17 <sup>15</sup> / <sub>16</sub> |
| 36                   | 09                  | Prefix(t)-09-(*)-HB45-36 | 31 <sup>5</sup> / <sub>8</sub>   | 13 <sup>3</sup> / <sub>8</sub>   | 18 <sup>17</sup> / <sub>32</sub> |
| 36                   | 12                  | Prefix(t)-12-(*)-HB45-36 | 32 <sup>11</sup> / <sub>16</sub> | 13 <sup>9</sup> / <sub>16</sub>  | 19 <sup>1</sup> / <sub>8</sub>   |
| 36                   | 18                  | Prefix(t)-18-(*)-HB45-36 | 34 <sup>13</sup> / <sub>16</sub> | 14 <sup>7</sup> / <sub>16</sub>  | 20 <sup>3</sup> / <sub>8</sub>   |
| 36                   | 24                  | Prefix(t)-24-(*)-HB45-36 | 36 <sup>15</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub>  | 21 <sup>5</sup> / <sub>8</sub>   |
| 36                   | 30                  | Prefix(t)-30-(*)-HB45-36 | 39 <sup>1</sup> / <sub>16</sub>  | 16 <sup>3</sup> / <sub>16</sub>  | 22 <sup>7</sup> / <sub>8</sub>   |
| 36                   | 36                  | Prefix(t)-36-(*)-HB45-36 | 41 <sup>3</sup> / <sub>16</sub>  | 17 <sup>1</sup> / <sub>16</sub>  | 24 <sup>1</sup> / <sub>8</sub>   |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no.  
Includes 1 pair of splice plates with hardware.

#### Selection guide

- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Inside tray widths: 06, 09, 12, 18, 24, 30, 36 in.
- Angle: 45°
- Nominal radius: 12, 24, 36 in.
- Bottom styles: V– ventilated, S– solid
- Side rail height: 2, 3, 6 in.

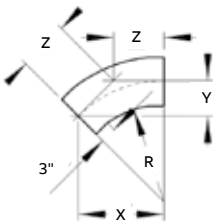
#### Part numbering system



## One-piece tray

### 30° Horizontal bend fittings

#### 30° Horizontal bend

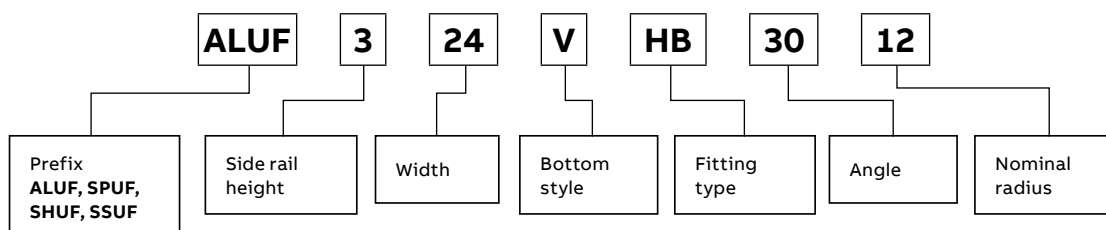
|                                                                                   | Nominal<br>radius (in.) | Nominal<br>width<br>(in.) | Cat. no.                 | Dimensions (in.)  |                   |                    |
|-----------------------------------------------------------------------------------|-------------------------|---------------------------|--------------------------|-------------------|-------------------|--------------------|
|                                                                                   |                         |                           |                          | X                 | Y                 | Z                  |
|  | 12                      | 06                        | Prefix(t)-06-(*)-HB30-12 | 11 $\frac{5}{8}$  | 3 $\frac{1}{8}$   | 6 $\frac{3}{16}$   |
|                                                                                   | 12                      | 09                        | Prefix(t)-09-(*)-HB30-12 | 12 $\frac{9}{16}$ | 3 $\frac{5}{16}$  | 6 $\frac{19}{32}$  |
|                                                                                   | 12                      | 12                        | Prefix(t)-12-(*)-HB30-12 | 13 $\frac{1}{2}$  | 3 $\frac{1}{2}$   | 7                  |
|                                                                                   | 12                      | 18                        | Prefix(t)-18-(*)-HB30-12 | 14 $\frac{7}{8}$  | 3 $\frac{15}{16}$ | 7 $\frac{13}{16}$  |
|                                                                                   | 12                      | 24                        | Prefix(t)-24-(*)-HB30-12 | 16 $\frac{1}{8}$  | 4 $\frac{5}{16}$  | 8 $\frac{5}{8}$    |
|                                                                                   | 12                      | 30                        | Prefix(t)-30-(*)-HB30-12 | 17 $\frac{7}{8}$  | 4 $\frac{11}{16}$ | 9 $\frac{7}{16}$   |
|                                                                                   | 12                      | 36                        | Prefix(t)-36-(*)-HB30-12 | 19 $\frac{1}{8}$  | 5 $\frac{1}{8}$   | 10 $\frac{1}{4}$   |
|                                                                                   | 24                      | 06                        | Prefix(t)-06-(*)-HB30-24 | 17 $\frac{7}{8}$  | 4 $\frac{11}{16}$ | 9 $\frac{7}{16}$   |
|                                                                                   | 24                      | 09                        | Prefix(t)-09-(*)-HB30-24 | 18 $\frac{3}{8}$  | 4 $\frac{29}{32}$ | 9 $\frac{27}{32}$  |
|                                                                                   | 24                      | 12                        | Prefix(t)-12-(*)-HB30-24 | 19 $\frac{1}{8}$  | 5 $\frac{1}{8}$   | 10 $\frac{1}{4}$   |
|                                                                                   | 24                      | 18                        | Prefix(t)-18-(*)-HB30-24 | 20 $\frac{5}{8}$  | 5 $\frac{1}{2}$   | 11 $\frac{1}{16}$  |
|                                                                                   | 24                      | 24                        | Prefix(t)-24-(*)-HB30-24 | 22 $\frac{1}{8}$  | 5 $\frac{15}{16}$ | 11 $\frac{13}{16}$ |
|                                                                                   | 24                      | 30                        | Prefix(t)-30-(*)-HB30-24 | 23 $\frac{3}{8}$  | 6 $\frac{5}{16}$  | 12 $\frac{3}{8}$   |
|                                                                                   | 24                      | 36                        | Prefix(t)-36-(*)-HB30-24 | 25 $\frac{1}{8}$  | 6 $\frac{3}{4}$   | 13 $\frac{3}{16}$  |
|                                                                                   | 36                      | 06                        | Prefix(t)-06-(*)-HB30-36 | 23 $\frac{3}{8}$  | 6 $\frac{5}{16}$  | 12 $\frac{3}{8}$   |
|                                                                                   | 36                      | 09                        | Prefix(t)-09-(*)-HB30-36 | 24 $\frac{1}{8}$  | 6 $\frac{17}{32}$ | 13 $\frac{1}{32}$  |
|                                                                                   | 36                      | 12                        | Prefix(t)-12-(*)-HB30-36 | 25 $\frac{1}{8}$  | 6 $\frac{3}{4}$   | 13 $\frac{3}{16}$  |
|                                                                                   | 36                      | 18                        | Prefix(t)-18-(*)-HB30-36 | 26 $\frac{1}{8}$  | 7 $\frac{1}{4}$   | 14 $\frac{1}{4}$   |
|                                                                                   | 36                      | 24                        | Prefix(t)-24-(*)-HB30-36 | 28 $\frac{1}{8}$  | 7 $\frac{1}{2}$   | 15 $\frac{1}{16}$  |
|                                                                                   | 36                      | 30                        | Prefix(t)-30-(*)-HB30-36 | 29 $\frac{5}{8}$  | 7 $\frac{15}{16}$ | 15 $\frac{7}{8}$   |
|                                                                                   | 36                      | 36                        | Prefix(t)-36-(*)-HB30-36 | 31 $\frac{1}{8}$  | 8 $\frac{5}{16}$  | 16 $\frac{11}{16}$ |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no.  
Includes 1 pair of splice plates with hardware.

#### Selection guide

- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Inside tray widths: 06, 09, 12, 18, 24, 30, 36 in.
- Angle: 30°
- Nominal radius: 12, 24, 36 in.
- Bottom styles: V– ventilated, S– solid
- Side rail height: 2, 3, 6 in.

#### Part numbering system



## One-piece tray

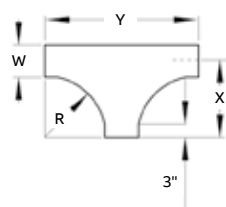
### Horizontal tee fittings

#### Horizontal tee

|            | Nominal<br>radius (in.) | Nominal<br>width<br>(in.) | Cat. no.              | Dimensions (in.) |     |
|------------|-------------------------|---------------------------|-----------------------|------------------|-----|
|            |                         |                           |                       | X                | Y   |
| Solid      | 12                      | 06                        | Prefix(t)-06-(*)-HT12 | 15               | 30  |
|            | 12                      | 09                        | Prefix(t)-09-(*)-HT12 | 16½              | 33  |
|            | 12                      | 12                        | Prefix(t)-12-(*)-HT12 | 18               | 36  |
|            | 12                      | 18                        | Prefix(t)-18-(*)-HT12 | 21               | 42  |
|            | 12                      | 24                        | Prefix(t)-24-(*)-HT12 | 24               | 48  |
|            | 12                      | 30                        | Prefix(t)-30-(*)-HT12 | 27               | 54  |
|            | 12                      | 36                        | Prefix(t)-36-(*)-HT12 | 30               | 60  |
| Ventilated | 24                      | 06                        | Prefix(t)-06-(*)-HT24 | 27               | 54  |
|            | 24                      | 09                        | Prefix(t)-09-(*)-HT24 | 28½              | 57  |
|            | 24                      | 12                        | Prefix(t)-12-(*)-HT24 | 30               | 60  |
|            | 24                      | 18                        | Prefix(t)-18-(*)-HT24 | 33               | 66  |
|            | 24                      | 24                        | Prefix(t)-24-(*)-HT24 | 36               | 72  |
|            | 24                      | 30                        | Prefix(t)-30-(*)-HT24 | 39               | 78  |
|            | 24                      | 36                        | Prefix(t)-36-(*)-HT24 | 42               | 84  |
|            | 36                      | 06                        | Prefix(t)-06-(*)-HT36 | 39               | 78  |
|            | 36                      | 09                        | Prefix(t)-09-(*)-HT36 | 40½              | 81  |
|            | 36                      | 12                        | Prefix(t)-12-(*)-HT36 | 42               | 84  |
|            | 36                      | 18                        | Prefix(t)-18-(*)-HT36 | 45               | 90  |
|            | 36                      | 24                        | Prefix(t)-24-(*)-HT36 | 48               | 96  |
|            | 36                      | 30                        | Prefix(t)-30-(*)-HT36 | 51               | 102 |
|            | 36                      | 36                        | Prefix(t)-36-(*)-HT36 | 54               | 108 |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no.  
 Tees include 2 pairs/crosses include 3 pairs of splice plates with hardware.

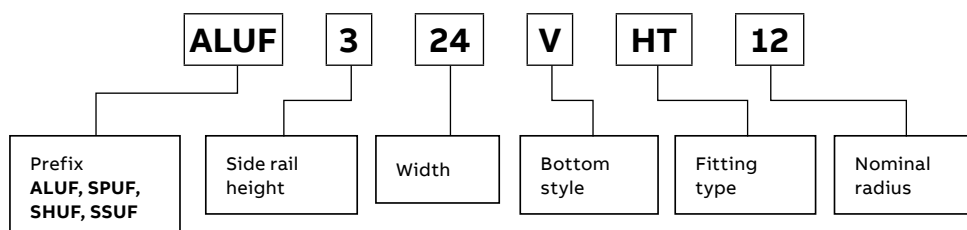
#### Dimensions



#### Selection guide

- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Inside tray widths: 06, 09, 12, 18, 24, 30, 36 in.
- Nominal radius: 12, 24, 36 in.
- Bottom styles: V– ventilated, S– solid
- Side rail height: 2, 3, 6 in.

#### Part numbering system



One-piece tray

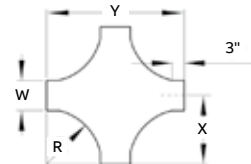
Horizontal cross fittings

Horizontal cross

|            | Nominal<br>radius (in.) | Nominal<br>width<br>(in.) | Cat. no.              | Dimensions (in.) |     |
|------------|-------------------------|---------------------------|-----------------------|------------------|-----|
|            |                         |                           |                       | X                | Y   |
| Solid      | 12                      | 06                        | Prefix(t)-06-(*)-HX12 | 15               | 30  |
|            | 12                      | 09                        | Prefix(t)-09-(*)-HX12 | 16½              | 33  |
|            | 12                      | 12                        | Prefix(t)-12-(*)-HX12 | 18               | 36  |
|            | 12                      | 18                        | Prefix(t)-18-(*)-HX12 | 21               | 42  |
|            | 12                      | 24                        | Prefix(t)-24-(*)-HX12 | 24               | 48  |
|            | 12                      | 30                        | Prefix(t)-30-(*)-HX12 | 27               | 54  |
|            | 12                      | 36                        | Prefix(t)-36-(*)-HX12 | 30               | 60  |
| Ventilated | 24                      | 06                        | Prefix(t)-06-(*)-HX24 | 27               | 54  |
|            | 24                      | 09                        | Prefix(t)-09-(*)-HX24 | 28½              | 57  |
|            | 24                      | 12                        | Prefix(t)-12-(*)-HX24 | 30               | 60  |
|            | 24                      | 18                        | Prefix(t)-18-(*)-HX24 | 33               | 66  |
|            | 24                      | 24                        | Prefix(t)-24-(*)-HX24 | 36               | 72  |
|            | 24                      | 30                        | Prefix(t)-30-(*)-HX24 | 39               | 78  |
|            | 24                      | 36                        | Prefix(t)-36-(*)-HX24 | 42               | 84  |
|            | 36                      | 06                        | Prefix(t)-06-(*)-HX36 | 39               | 78  |
|            | 36                      | 09                        | Prefix(t)-09-(*)-HX36 | 40½              | 81  |
|            | 36                      | 12                        | Prefix(t)-12-(*)-HX36 | 42               | 84  |
|            | 36                      | 18                        | Prefix(t)-18-(*)-HX36 | 45               | 90  |
|            | 36                      | 24                        | Prefix(t)-24-(*)-HX36 | 48               | 96  |
|            | 36                      | 30                        | Prefix(t)-30-(*)-HX36 | 51               | 102 |
|            | 36                      | 36                        | Prefix(t)-36-(*)-HX36 | 54               | 108 |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no.  
Tees include 2 pairs / crosses include 3 pairs of splice plates with hardware.

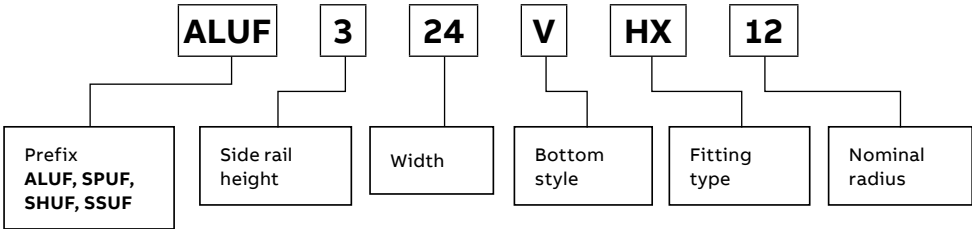
Dimensions



Selection guide

- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Inside tray widths: 06, 09, 12, 18, 24, 30, 36 in.
- Nominal radius: 12, 24, 36 in.
- Bottom styles: V– ventilated, S– solid
- Side rail height: 2, 3, 6 in.

Part numbering system

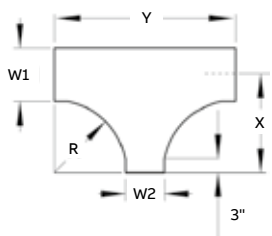




## One-piece tray

### Horizontal reducing tee fittings

#### Horizontal reducing tee

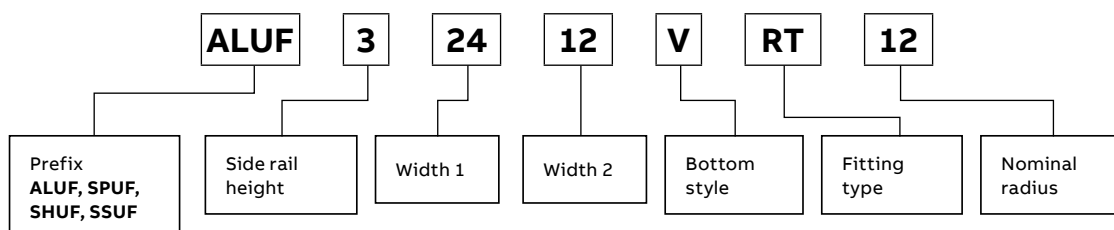
|                                                                                   |    |    |                          | Dimensions (in.)            |    |                             |    |                             |     |
|-----------------------------------------------------------------------------------|----|----|--------------------------|-----------------------------|----|-----------------------------|----|-----------------------------|-----|
| Widths (in.)                                                                      |    |    | Cat. no.                 | (+ 12 in.<br>Nominal radius |    | (+ 24 in.<br>Nominal radius |    | (+ 36 in.<br>Nominal radius |     |
| W1                                                                                | W2 | X  |                          | Y                           | X  | Y                           | X  | Y                           |     |
|  | 36 | 30 | Prefix(t)-3630-(*)-RT(+) | 30                          | 54 | 42                          | 78 | 54                          | 102 |
|                                                                                   | 36 | 24 | Prefix(t)-3624-(*)-RT(+) | 30                          | 48 | 42                          | 72 | 54                          | 96  |
|                                                                                   | 36 | 18 | Prefix(t)-3618-(*)-RT(+) | 30                          | 42 | 42                          | 66 | 54                          | 90  |
|                                                                                   | 36 | 12 | Prefix(t)-3612-(*)-RT(+) | 30                          | 36 | 42                          | 60 | 54                          | 84  |
|                                                                                   | 36 | 09 | Prefix(t)-3609-(*)-RT(+) | 30                          | 33 | 42                          | 57 | 54                          | 81  |
|                                                                                   | 36 | 06 | Prefix(t)-3606-(*)-RT(+) | 30                          | 30 | 42                          | 54 | 54                          | 78  |
|                                                                                   | 30 | 24 | Prefix(t)-3024-(*)-RT(+) | 27                          | 48 | 39                          | 72 | 51                          | 96  |
|                                                                                   | 30 | 18 | Prefix(t)-3018-(*)-RT(+) | 27                          | 42 | 39                          | 66 | 51                          | 90  |
|                                                                                   | 30 | 12 | Prefix(t)-3012-(*)-RT(+) | 27                          | 36 | 39                          | 60 | 51                          | 84  |
|                                                                                   | 30 | 09 | Prefix(t)-3009-(*)-RT(+) | 27                          | 33 | 39                          | 57 | 51                          | 81  |
|                                                                                   | 30 | 06 | Prefix(t)-3006-(*)-RT(+) | 27                          | 30 | 39                          | 54 | 51                          | 78  |
|                                                                                   | 24 | 18 | Prefix(t)-2418-(*)-RT(+) | 24                          | 42 | 36                          | 66 | 48                          | 90  |
|                                                                                   | 24 | 12 | Prefix(t)-2412-(*)-RT(+) | 24                          | 36 | 36                          | 60 | 48                          | 84  |
|                                                                                   | 24 | 09 | Prefix(t)-2409-(*)-RT(+) | 24                          | 33 | 36                          | 57 | 48                          | 81  |
|                                                                                   | 24 | 06 | Prefix(t)-2406-(*)-RT(+) | 24                          | 30 | 36                          | 54 | 48                          | 78  |
|                                                                                   | 18 | 12 | Prefix(t)-1812-(*)-RT(+) | 21                          | 36 | 33                          | 60 | 45                          | 84  |
|                                                                                   | 18 | 09 | Prefix(t)-1809-(*)-RT(+) | 21                          | 33 | 33                          | 57 | 45                          | 81  |
|                                                                                   | 18 | 06 | Prefix(t)-1806-(*)-RT(+) | 21                          | 30 | 33                          | 54 | 45                          | 78  |
|                                                                                   | 12 | 09 | Prefix(t)-1209-(*)-RT(+) | 18                          | 33 | 30                          | 57 | 42                          | 81  |
|                                                                                   | 12 | 06 | Prefix(t)-1206-(*)-RT(+) | 18                          | 30 | 30                          | 54 | 42                          | 78  |
|                                                                                   | 09 | 06 | Prefix(t)-906-(*)-RT(+)  | 16½                         | 30 | 28½                         | 54 | 40½                         | 78  |

(t) Insert side rail height. (\*) Insert bottom style (+) Insert radius (12 in. – 36 in.) to complete cat. no.  
Includes 2 pairs of splice plates with hardware.

#### Selection guide

- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Tray widths W1: 36, 30, 24, 18, 12, 09 in.
- Tray widths W2: 30, 24, 18, 12, 09, 06 in.
- Nominal radius: 12, 24, 36 in.
- Bottom styles: V– ventilated, S– solid
- Side rail height: 2, 3, 6 in.

#### Part numbering system



## One-piece tray

### Horizontal expanding tee fittings

#### Horizontal expanding tee

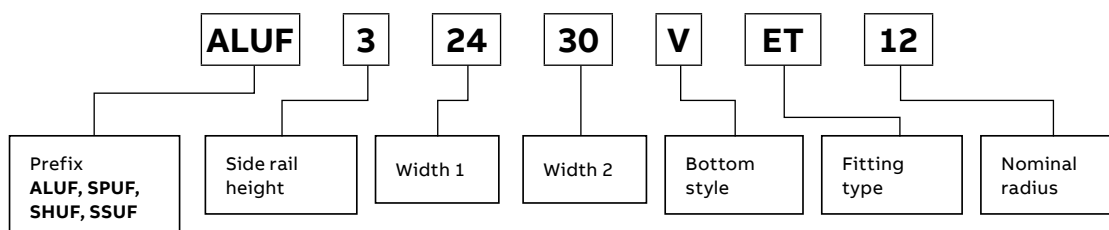
|              |    |  |                          | Dimensions (in.)            |    |                             |    |                             |     |
|--------------|----|--|--------------------------|-----------------------------|----|-----------------------------|----|-----------------------------|-----|
| Widths (in.) |    |  | Cat. no.                 | (+ 12 in.<br>Nominal radius |    | (+ 24 in.<br>Nominal radius |    | (+ 36 in.<br>Nominal radius |     |
| W1           | W2 |  |                          | X                           | Y  | X                           | Y  | X                           | Y   |
| 30           | 36 |  | Prefix(t)-3036-(*)-ET(+) | 27                          | 60 | 39                          | 84 | 51                          | 108 |
| 24           | 30 |  | Prefix(t)-2430-(*)-ET(+) | 24                          | 54 | 36                          | 78 | 48                          | 102 |
| 24           | 36 |  | Prefix(t)-2436-(*)-ET(+) | 24                          | 60 | 36                          | 84 | 48                          | 108 |
| 18           | 24 |  | Prefix(t)-1824-(*)-ET(+) | 21                          | 48 | 33                          | 72 | 45                          | 96  |
| 18           | 30 |  | Prefix(t)-1830-(*)-ET(+) | 21                          | 54 | 33                          | 78 | 45                          | 102 |
| 18           | 36 |  | Prefix(t)-1836-(*)-ET(+) | 21                          | 60 | 33                          | 84 | 45                          | 108 |
| 12           | 18 |  | Prefix(t)-1218-(*)-ET(+) | 18                          | 42 | 30                          | 66 | 42                          | 90  |
| 12           | 24 |  | Prefix(t)-1224-(*)-ET(+) | 18                          | 48 | 30                          | 72 | 42                          | 96  |
| 12           | 30 |  | Prefix(t)-1230-(*)-ET(+) | 18                          | 54 | 30                          | 78 | 42                          | 102 |
| 12           | 36 |  | Prefix(t)-1236-(*)-ET(+) | 18                          | 60 | 30                          | 84 | 42                          | 108 |
| 09           | 12 |  | Prefix(t)-0912-(*)-ET(+) | 16½                         | 36 | 28½                         | 60 | 40½                         | 84  |
| 09           | 18 |  | Prefix(t)-0918-(*)-ET(+) | 16½                         | 42 | 28½                         | 66 | 40½                         | 90  |
| 09           | 24 |  | Prefix(t)-0942-(*)-ET(+) | 16½                         | 48 | 28½                         | 72 | 40½                         | 96  |
| 09           | 30 |  | Prefix(t)-0930-(*)-ET(+) | 16½                         | 54 | 28½                         | 78 | 40½                         | 102 |
| 09           | 36 |  | Prefix(t)-0936-(*)-ET(+) | 16½                         | 60 | 28½                         | 84 | 40½                         | 108 |
| 06           | 09 |  | Prefix(t)-0609-(*)-ET(+) | 15                          | 33 | 27                          | 57 | 39                          | 81  |
| 06           | 12 |  | Prefix(t)-0612-(*)-ET(+) | 15                          | 36 | 27                          | 60 | 39                          | 84  |
| 06           | 18 |  | Prefix(t)-0618-(*)-ET(+) | 15                          | 42 | 27                          | 66 | 39                          | 90  |
| 06           | 24 |  | Prefix(t)-0624-(*)-ET(+) | 15                          | 48 | 27                          | 72 | 39                          | 96  |
| 06           | 30 |  | Prefix(t)-0630-(*)-ET(+) | 15                          | 54 | 27                          | 78 | 39                          | 102 |
| 06           | 36 |  | Prefix(t)-0636-(*)-ET(+) | 15                          | 60 | 27                          | 84 | 39                          | 108 |

(t) Insert side rail height. (\*) Insert bottom style (+) Insert radius (12 in.–36 in.) to complete cat. no.  
Includes 2 pairs of splice plates with hardware.

#### Selection guide

- Prefix: SALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Tray widths W1: 30, 24, 18, 12, 09, 06 in.
- Tray widths W2: 36, 30, 24, 18, 12, 09 in.
- Nominal radius: 12, 24, 36 in.
- Bottom styles: V– ventilated, S– solid
- Side rail height: 2, 3, 6 in.

#### Part numbering system



## One-piece tray

### Horizontal expanding cross fittings

#### Horizontal expanding cross

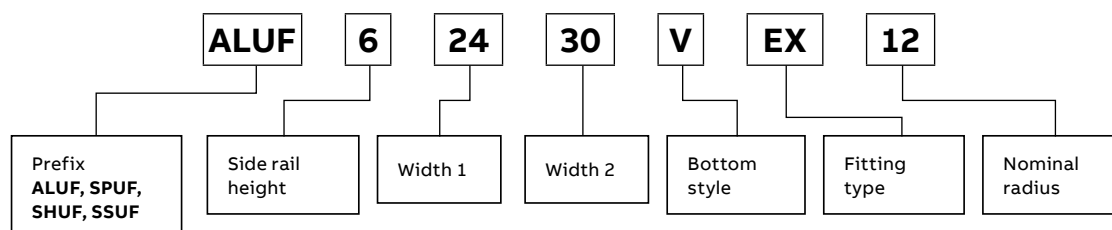
|              |    |    |                          | Dimensions (in.)            |    |                             |    |                             |     |
|--------------|----|----|--------------------------|-----------------------------|----|-----------------------------|----|-----------------------------|-----|
| Widths (in.) |    |    | Cat. no.                 | (+ 12 in.<br>Nominal radius |    | (+ 24 in.<br>Nominal radius |    | (+ 36 in.<br>Nominal radius |     |
| W1           | W2 |    |                          | X                           | Y  | X                           | Y  | X                           | Y   |
|              | 30 | 36 | Prefix(t)-3036-(*)-EX(+) | 54                          | 60 | 78                          | 84 | 102                         | 108 |
|              | 24 | 30 | Prefix(t)-2430-(*)-EX(+) | 48                          | 54 | 72                          | 78 | 96                          | 102 |
|              | 24 | 36 | Prefix(t)-2436-(*)-EX(+) | 48                          | 60 | 72                          | 84 | 96                          | 108 |
|              | 18 | 24 | Prefix(t)-1824-(*)-EX(+) | 42                          | 48 | 66                          | 72 | 90                          | 96  |
|              | 18 | 30 | Prefix(t)-1830-(*)-EX(+) | 42                          | 54 | 66                          | 78 | 90                          | 102 |
|              | 18 | 36 | Prefix(t)-1836-(*)-EX(+) | 42                          | 60 | 66                          | 84 | 90                          | 108 |
|              | 12 | 18 | Prefix(t)-1218-(*)-EX(+) | 36                          | 42 | 60                          | 66 | 84                          | 90  |
|              | 12 | 24 | Prefix(t)-1224-(*)-EX(+) | 36                          | 48 | 60                          | 72 | 84                          | 96  |
|              | 12 | 30 | Prefix(t)-1230-(*)-EX(+) | 36                          | 54 | 60                          | 78 | 84                          | 102 |
|              | 12 | 36 | Prefix(t)-1236-(*)-EX(+) | 36                          | 60 | 60                          | 84 | 84                          | 108 |
|              | 09 | 12 | Prefix(t)-0912-(*)-EX(+) | 33                          | 36 | 57                          | 60 | 81                          | 84  |
|              | 09 | 18 | Prefix(t)-0918-(*)-EX(+) | 33                          | 42 | 57                          | 66 | 81                          | 90  |
|              | 09 | 24 | Prefix(t)-0924-(*)-EX(+) | 33                          | 48 | 57                          | 72 | 81                          | 96  |
|              | 09 | 30 | Prefix(t)-0930-(*)-EX(+) | 33                          | 54 | 57                          | 78 | 81                          | 102 |
|              | 09 | 36 | Prefix(t)-0936-(*)-EX(+) | 33                          | 60 | 57                          | 84 | 81                          | 108 |
|              | 06 | 09 | Prefix(t)-0609-(*)-EX(+) | 30                          | 33 | 54                          | 57 | 78                          | 81  |
|              | 06 | 12 | Prefix(t)-0612-(*)-EX(+) | 30                          | 36 | 54                          | 60 | 78                          | 84  |
|              | 06 | 18 | Prefix(t)-0618-(*)-EX(+) | 30                          | 42 | 54                          | 66 | 78                          | 90  |
|              | 06 | 24 | Prefix(t)-0624-(*)-EX(+) | 30                          | 48 | 54                          | 72 | 78                          | 96  |
|              | 06 | 30 | Prefix(t)-0630-(*)-EX(+) | 30                          | 54 | 54                          | 78 | 78                          | 102 |
|              | 06 | 36 | Prefix(t)-0636-(*)-EX(+) | 30                          | 60 | 54                          | 84 | 78                          | 108 |

(t) Insert side rail height. (\*) Insert bottom style (+) Insert radius (12 in.–36 in.) to complete cat. no.  
Includes 3 pairs of splice plates with hardware.

#### Selection guide

- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Tray widths W1: 30, 24, 18, 12, 09, 06 in.
- Tray widths W2: 36, 30, 24, 18, 12, 09 in.
- Nominal radius: 12, 24, 36 in.
- Bottom styles: V– ventilated, S– solid
- Side rail height: 2, 3, 6 in.

#### Part numbering system



One-piece tray  
90° Vertical bend fittings

90° Vertical bend

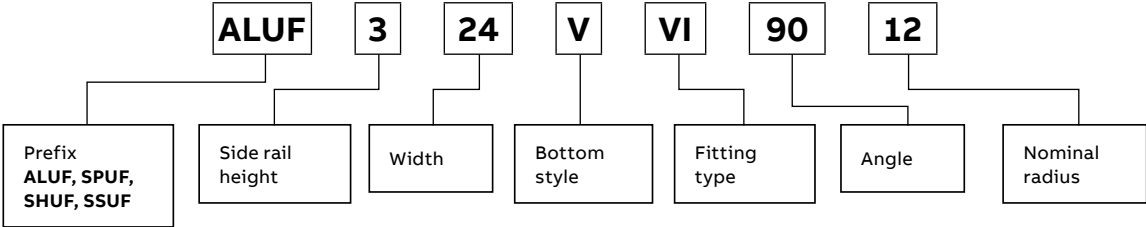
Selection guide

- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Inside tray widths: 06, 09, 12, 18, 24, 30, 36 in.
- Angle: 90°
- Nominal radius: 12, 24, 36 in.
- Bottom styles: V– ventilated, S– solid
- Side rail height: 2, 3, 6 in.

|                                                                                                               | Nominal<br>radius<br>(in.) | Nominal<br>width<br>(in.) | Cat. no.                  | Dimensions (in.)            |    |    |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |
|---------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------|---------------------------|-----------------------------|----|----|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
|                                                                                                               |                            |                           |                           | (+ ) VO side<br>rail height |    |    |                                 |                                 |                                 | (+ ) VI side<br>rail depth      |                                 |                                 |                                 |                                 |                                 |
|                                                                                                               |                            |                           |                           | 2 in., 3 in., 6 in.         |    |    | 2 in.                           |                                 |                                 | 3 in.                           |                                 |                                 | 6 in.                           |                                 |                                 |
|                                                                                                               |                            |                           |                           | X                           | Y  | Z  | X                               | Y                               | Z                               | X                               | Y                               | Z                               | X                               | Y                               | Z                               |
| Outside bend ventilated<br>  | 12                         | 06                        | Prefix(t)-06-(*)-(+)90-12 | 12                          | 12 | 12 | 13 <sup>7</sup> / <sub>16</sub> | 13 <sup>7</sup> / <sub>16</sub> | 13 <sup>7</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 12                         | 09                        | Prefix(t)-09-(*)-(+)90-12 | 12                          | 12 | 12 | 13 <sup>7</sup> / <sub>16</sub> | 13 <sup>7</sup> / <sub>16</sub> | 13 <sup>7</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 12                         | 12                        | Prefix(t)-12-(*)-(+)90-12 | 12                          | 12 | 12 | 13 <sup>7</sup> / <sub>16</sub> | 13 <sup>7</sup> / <sub>16</sub> | 13 <sup>7</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 12                         | 18                        | Prefix(t)-18-(*)-(+)90-12 | 12                          | 12 | 12 | 13 <sup>7</sup> / <sub>16</sub> | 13 <sup>7</sup> / <sub>16</sub> | 13 <sup>7</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 12                         | 24                        | Prefix(t)-24-(*)-(+)90-12 | 12                          | 12 | 12 | 13 <sup>7</sup> / <sub>16</sub> | 13 <sup>7</sup> / <sub>16</sub> | 13 <sup>7</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 12                         | 36                        | Prefix(t)-36-(*)-(+)90-12 | 12                          | 12 | 12 | 13 <sup>7</sup> / <sub>16</sub> | 13 <sup>7</sup> / <sub>16</sub> | 13 <sup>7</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> | 18 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 24                         | 06                        | Prefix(t)-06-(*)-(+)90-24 | 24                          | 24 | 24 | 25 <sup>7</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 24                         | 09                        | Prefix(t)-09-(*)-(+)90-24 | 24                          | 24 | 24 | 25 <sup>7</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 24                         | 12                        | Prefix(t)-12-(*)-(+)90-24 | 24                          | 24 | 24 | 25 <sup>7</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 24                         | 18                        | Prefix(t)-18-(*)-(+)90-24 | 24                          | 24 | 24 | 25 <sup>7</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 24                         | 24                        | Prefix(t)-24-(*)-(+)90-24 | 24                          | 24 | 24 | 25 <sup>7</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 24                         | 30                        | Prefix(t)-30-(*)-(+)90-24 | 24                          | 24 | 24 | 25 <sup>7</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> |
| Inside bend ventilated<br> | 24                         | 36                        | Prefix(t)-36-(*)-(+)90-24 | 24                          | 24 | 24 | 25 <sup>7</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> | 30 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 36                         | 06                        | Prefix(t)-06-(*)-(+)90-36 | 36                          | 36 | 36 | 37 <sup>7</sup> / <sub>16</sub> | 37 <sup>7</sup> / <sub>16</sub> | 37 <sup>7</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 36                         | 09                        | Prefix(t)-09-(*)-(+)90-36 | 36                          | 36 | 36 | 37 <sup>7</sup> / <sub>16</sub> | 37 <sup>7</sup> / <sub>16</sub> | 37 <sup>7</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 36                         | 12                        | Prefix(t)-12-(*)-(+)90-36 | 36                          | 36 | 36 | 37 <sup>7</sup> / <sub>16</sub> | 37 <sup>7</sup> / <sub>16</sub> | 37 <sup>7</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 36                         | 18                        | Prefix(t)-18-(*)-(+)90-36 | 36                          | 36 | 36 | 37 <sup>7</sup> / <sub>16</sub> | 37 <sup>7</sup> / <sub>16</sub> | 37 <sup>7</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 36                         | 24                        | Prefix(t)-24-(*)-(+)90-36 | 36                          | 36 | 36 | 37 <sup>7</sup> / <sub>16</sub> | 37 <sup>7</sup> / <sub>16</sub> | 37 <sup>7</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 36                         | 30                        | Prefix(t)-30-(*)-(+)90-36 | 36                          | 36 | 36 | 37 <sup>7</sup> / <sub>16</sub> | 37 <sup>7</sup> / <sub>16</sub> | 37 <sup>7</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               | 36                         | 36                        | Prefix(t)-36-(*)-(+)90-36 | 36                          | 36 | 36 | 37 <sup>7</sup> / <sub>16</sub> | 37 <sup>7</sup> / <sub>16</sub> | 37 <sup>7</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 39 <sup>5</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> | 42 <sup>3</sup> / <sub>16</sub> |
|                                                                                                               |                            |                           |                           |                             |    |    |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |
|                                                                                                               |                            |                           |                           |                             |    |    |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |
|                                                                                                               |                            |                           |                           |                             |    |    |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |
|                                                                                                               |                            |                           |                           |                             |    |    |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |                                 |

(t) Insert side rail height. (\*) Insert bottom style (+) Insert “VO” for vertical outside or “VI” for vertical inside to complete cat. no.  
Includes 1 pair of splice plates with hardware.

Part numbering system



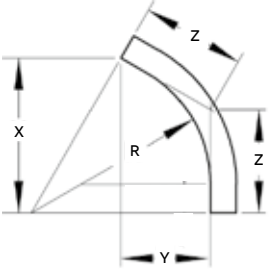
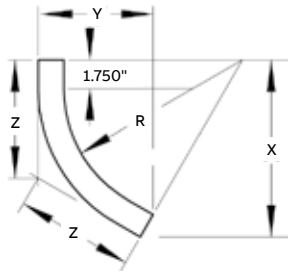
## One-piece tray

### 60° Vertical bend fittings

#### 60° Vertical bend

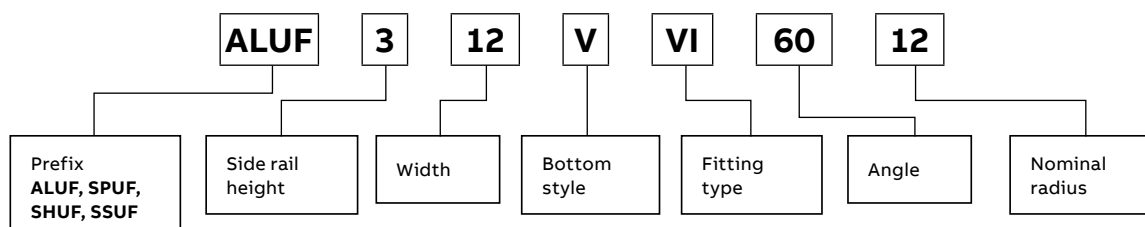
#### Selection guide

- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Inside tray widths: 06, 09, 12, 18, 24, 30, 36 in.
- Angle: 60°
- Nominal radius: 12, 24, 36 in.
- Bottom styles: V– ventilated, S– solid
- Side rail height: 2, 3, 6 in.

|                                                                                                    | Nominal radius (in.) | Nominal width (in.) | Cat. no.                  | Dimensions (in.)                 |    |                                  |                                  |                                |                                  |                                  |                                |                                  |                                |                                 |                                 |
|----------------------------------------------------------------------------------------------------|----------------------|---------------------|---------------------------|----------------------------------|----|----------------------------------|----------------------------------|--------------------------------|----------------------------------|----------------------------------|--------------------------------|----------------------------------|--------------------------------|---------------------------------|---------------------------------|
|                                                                                                    |                      |                     |                           | (+ VO side rail height           |    |                                  | (+ VI side rail depth            |                                |                                  |                                  |                                |                                  |                                |                                 |                                 |
|                                                                                                    |                      |                     |                           | 2 in., 3 in., 6 in.              |    |                                  | 2 in.                            |                                |                                  | 3 in.                            |                                |                                  | 6 in.                          |                                 |                                 |
|                                                                                                    |                      |                     |                           | X                                | Y  | Z                                | X                                | Y                              | Z                                | X                                | Y                              | Z                                | X                              | Y                               | Z                               |
| Outside bend<br>  | 12                   | 06                  | Prefix(t)-06-(*)-(+)60-12 | 10 <sup>3</sup> / <sub>8</sub>   | 6  | 6 <sup>15</sup> / <sub>16</sub>  | 12                               | 7 <sup>7</sup> / <sub>8</sub>  | 8                                | 13 <sup>1</sup> / <sub>2</sub>   | 9 <sup>5</sup> / <sub>8</sub>  | 9                                | 15 <sup>3</sup> / <sub>4</sub> | 12 <sup>3</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  |
|                                                                                                    | 12                   | 09                  | Prefix(t)-09-(*)-(+)60-12 | 10 <sup>3</sup> / <sub>8</sub>   | 6  | 6 <sup>15</sup> / <sub>16</sub>  | 12                               | 7 <sup>7</sup> / <sub>8</sub>  | 8                                | 13 <sup>1</sup> / <sub>2</sub>   | 9 <sup>5</sup> / <sub>8</sub>  | 9                                | 15 <sup>3</sup> / <sub>4</sub> | 12 <sup>3</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  |
|                                                                                                    | 12                   | 12                  | Prefix(t)-12-(*)-(+)60-12 | 10 <sup>3</sup> / <sub>8</sub>   | 6  | 6 <sup>15</sup> / <sub>16</sub>  | 12                               | 7 <sup>7</sup> / <sub>8</sub>  | 8                                | 13 <sup>1</sup> / <sub>2</sub>   | 9 <sup>5</sup> / <sub>8</sub>  | 9                                | 15 <sup>3</sup> / <sub>4</sub> | 12 <sup>3</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  |
|                                                                                                    | 12                   | 18                  | Prefix(t)-18-(*)-(+)60-12 | 10 <sup>3</sup> / <sub>8</sub>   | 6  | 6 <sup>15</sup> / <sub>16</sub>  | 12                               | 7 <sup>7</sup> / <sub>8</sub>  | 8                                | 13 <sup>1</sup> / <sub>2</sub>   | 9 <sup>5</sup> / <sub>8</sub>  | 9                                | 15 <sup>3</sup> / <sub>4</sub> | 12 <sup>3</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  |
|                                                                                                    | 12                   | 24                  | Prefix(t)-24-(*)-(+)60-12 | 10 <sup>3</sup> / <sub>8</sub>   | 6  | 6 <sup>15</sup> / <sub>16</sub>  | 12                               | 7 <sup>7</sup> / <sub>8</sub>  | 8                                | 13 <sup>1</sup> / <sub>2</sub>   | 9 <sup>5</sup> / <sub>8</sub>  | 9                                | 15 <sup>3</sup> / <sub>4</sub> | 12 <sup>3</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  |
|                                                                                                    | 12                   | 30                  | Prefix(t)-30-(*)-(+)60-12 | 10 <sup>3</sup> / <sub>8</sub>   | 6  | 6 <sup>15</sup> / <sub>16</sub>  | 12                               | 7 <sup>7</sup> / <sub>8</sub>  | 8                                | 13 <sup>1</sup> / <sub>2</sub>   | 9 <sup>5</sup> / <sub>8</sub>  | 9                                | 15 <sup>3</sup> / <sub>4</sub> | 12 <sup>3</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  |
|                                                                                                    | 12                   | 36                  | Prefix(t)-36-(*)-(+)60-12 | 10 <sup>3</sup> / <sub>8</sub>   | 6  | 6 <sup>15</sup> / <sub>16</sub>  | 12                               | 7 <sup>7</sup> / <sub>8</sub>  | 8                                | 13 <sup>1</sup> / <sub>2</sub>   | 9 <sup>5</sup> / <sub>8</sub>  | 9                                | 15 <sup>3</sup> / <sub>4</sub> | 12 <sup>3</sup> / <sub>16</sub> | 10 <sup>1</sup> / <sub>2</sub>  |
|                                                                                                    | 24                   | 06                  | Prefix(t)-06-(*)-(+)60-24 | 20 <sup>13</sup> / <sub>16</sub> | 12 | 13 <sup>7</sup> / <sub>8</sub>   | 22 <sup>7</sup> / <sub>16</sub>  | 13 <sup>7</sup> / <sub>8</sub> | 14 <sup>15</sup> / <sub>16</sub> | 23 <sup>15</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>8</sub> | 15 <sup>15</sup> / <sub>16</sub> | 26 <sup>1</sup> / <sub>8</sub> | 18 <sup>3</sup> / <sub>16</sub> | 17 <sup>7</sup> / <sub>16</sub> |
|                                                                                                    | 24                   | 09                  | Prefix(t)-09-(*)-(+)60-24 | 20 <sup>13</sup> / <sub>16</sub> | 12 | 13 <sup>7</sup> / <sub>8</sub>   | 22 <sup>7</sup> / <sub>16</sub>  | 13 <sup>7</sup> / <sub>8</sub> | 14 <sup>15</sup> / <sub>16</sub> | 23 <sup>15</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>8</sub> | 15 <sup>15</sup> / <sub>16</sub> | 26 <sup>1</sup> / <sub>8</sub> | 18 <sup>3</sup> / <sub>16</sub> | 17 <sup>7</sup> / <sub>16</sub> |
|                                                                                                    | 24                   | 12                  | Prefix(t)-12-(*)-(+)60-24 | 20 <sup>13</sup> / <sub>16</sub> | 12 | 13 <sup>7</sup> / <sub>8</sub>   | 22 <sup>7</sup> / <sub>16</sub>  | 13 <sup>7</sup> / <sub>8</sub> | 14 <sup>15</sup> / <sub>16</sub> | 23 <sup>15</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>8</sub> | 15 <sup>15</sup> / <sub>16</sub> | 26 <sup>1</sup> / <sub>8</sub> | 18 <sup>3</sup> / <sub>16</sub> | 17 <sup>7</sup> / <sub>16</sub> |
|                                                                                                    | 24                   | 18                  | Prefix(t)-18-(*)-(+)60-24 | 20 <sup>13</sup> / <sub>16</sub> | 12 | 13 <sup>7</sup> / <sub>8</sub>   | 22 <sup>7</sup> / <sub>16</sub>  | 13 <sup>7</sup> / <sub>8</sub> | 14 <sup>15</sup> / <sub>16</sub> | 23 <sup>15</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>8</sub> | 15 <sup>15</sup> / <sub>16</sub> | 26 <sup>1</sup> / <sub>8</sub> | 18 <sup>3</sup> / <sub>16</sub> | 17 <sup>7</sup> / <sub>16</sub> |
|                                                                                                    | 24                   | 24                  | Prefix(t)-24-(*)-(+)60-24 | 20 <sup>13</sup> / <sub>16</sub> | 12 | 13 <sup>7</sup> / <sub>8</sub>   | 22 <sup>7</sup> / <sub>16</sub>  | 13 <sup>7</sup> / <sub>8</sub> | 14 <sup>15</sup> / <sub>16</sub> | 23 <sup>15</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>8</sub> | 15 <sup>15</sup> / <sub>16</sub> | 26 <sup>1</sup> / <sub>8</sub> | 18 <sup>3</sup> / <sub>16</sub> | 17 <sup>7</sup> / <sub>16</sub> |
|                                                                                                    | 24                   | 30                  | Prefix(t)-30-(*)-(+)60-24 | 20 <sup>13</sup> / <sub>16</sub> | 12 | 13 <sup>7</sup> / <sub>8</sub>   | 22 <sup>7</sup> / <sub>16</sub>  | 13 <sup>7</sup> / <sub>8</sub> | 14 <sup>15</sup> / <sub>16</sub> | 23 <sup>15</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>8</sub> | 15 <sup>15</sup> / <sub>16</sub> | 26 <sup>1</sup> / <sub>8</sub> | 18 <sup>3</sup> / <sub>16</sub> | 17 <sup>7</sup> / <sub>16</sub> |
|                                                                                                    | 24                   | 36                  | Prefix(t)-36-(*)-(+)60-24 | 20 <sup>13</sup> / <sub>16</sub> | 12 | 13 <sup>7</sup> / <sub>8</sub>   | 22 <sup>7</sup> / <sub>16</sub>  | 13 <sup>7</sup> / <sub>8</sub> | 14 <sup>15</sup> / <sub>16</sub> | 23 <sup>15</sup> / <sub>16</sub> | 15 <sup>5</sup> / <sub>8</sub> | 15 <sup>15</sup> / <sub>16</sub> | 26 <sup>1</sup> / <sub>8</sub> | 18 <sup>3</sup> / <sub>16</sub> | 17 <sup>7</sup> / <sub>16</sub> |
|                                                                                                    | 36                   | 06                  | Prefix(t)-06-(*)-(+)60-36 | 31 <sup>3</sup> / <sub>16</sub>  | 18 | 20 <sup>13</sup> / <sub>16</sub> | 32 <sup>13</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub> | 21 <sup>7</sup> / <sub>8</sub>   | 34 <sup>5</sup> / <sub>16</sub>  | 21 <sup>5</sup> / <sub>8</sub> | 22 <sup>7</sup> / <sub>8</sub>   | 36 <sup>1</sup> / <sub>2</sub> | 24 <sup>3</sup> / <sub>16</sub> | 24 <sup>3</sup> / <sub>8</sub>  |
| Inside bend<br> | 36                   | 09                  | Prefix(t)-09-(*)-(+)60-36 | 31 <sup>3</sup> / <sub>16</sub>  | 18 | 20 <sup>13</sup> / <sub>16</sub> | 32 <sup>13</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub> | 21 <sup>7</sup> / <sub>8</sub>   | 34 <sup>5</sup> / <sub>16</sub>  | 21 <sup>5</sup> / <sub>8</sub> | 22 <sup>7</sup> / <sub>8</sub>   | 36 <sup>1</sup> / <sub>2</sub> | 24 <sup>3</sup> / <sub>16</sub> | 24 <sup>3</sup> / <sub>8</sub>  |
|                                                                                                    | 36                   | 12                  | Prefix(t)-12-(*)-(+)60-36 | 31 <sup>3</sup> / <sub>16</sub>  | 18 | 20 <sup>13</sup> / <sub>16</sub> | 32 <sup>13</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub> | 21 <sup>7</sup> / <sub>8</sub>   | 34 <sup>5</sup> / <sub>16</sub>  | 21 <sup>5</sup> / <sub>8</sub> | 22 <sup>7</sup> / <sub>8</sub>   | 36 <sup>1</sup> / <sub>2</sub> | 24 <sup>3</sup> / <sub>16</sub> | 24 <sup>3</sup> / <sub>8</sub>  |
|                                                                                                    | 36                   | 18                  | Prefix(t)-18-(*)-(+)60-36 | 31 <sup>3</sup> / <sub>16</sub>  | 18 | 20 <sup>13</sup> / <sub>16</sub> | 32 <sup>13</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub> | 21 <sup>7</sup> / <sub>8</sub>   | 34 <sup>5</sup> / <sub>16</sub>  | 21 <sup>5</sup> / <sub>8</sub> | 22 <sup>7</sup> / <sub>8</sub>   | 36 <sup>1</sup> / <sub>2</sub> | 24 <sup>3</sup> / <sub>16</sub> | 24 <sup>3</sup> / <sub>8</sub>  |
|                                                                                                    | 36                   | 24                  | Prefix(t)-24-(*)-(+)60-36 | 31 <sup>3</sup> / <sub>16</sub>  | 18 | 20 <sup>13</sup> / <sub>16</sub> | 32 <sup>13</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub> | 21 <sup>7</sup> / <sub>8</sub>   | 34 <sup>5</sup> / <sub>16</sub>  | 21 <sup>5</sup> / <sub>8</sub> | 22 <sup>7</sup> / <sub>8</sub>   | 36 <sup>1</sup> / <sub>2</sub> | 24 <sup>3</sup> / <sub>16</sub> | 24 <sup>3</sup> / <sub>8</sub>  |
|                                                                                                    | 36                   | 30                  | Prefix(t)-30-(*)-(+)60-36 | 31 <sup>3</sup> / <sub>16</sub>  | 18 | 20 <sup>13</sup> / <sub>16</sub> | 32 <sup>13</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub> | 21 <sup>7</sup> / <sub>8</sub>   | 34 <sup>5</sup> / <sub>16</sub>  | 21 <sup>5</sup> / <sub>8</sub> | 22 <sup>7</sup> / <sub>8</sub>   | 36 <sup>1</sup> / <sub>2</sub> | 24 <sup>3</sup> / <sub>16</sub> | 24 <sup>3</sup> / <sub>8</sub>  |
|                                                                                                    | 36                   | 36                  | Prefix(t)-36-(*)-(+)60-36 | 31 <sup>3</sup> / <sub>16</sub>  | 18 | 20 <sup>13</sup> / <sub>16</sub> | 32 <sup>13</sup> / <sub>16</sub> | 19 <sup>7</sup> / <sub>8</sub> | 21 <sup>7</sup> / <sub>8</sub>   | 34 <sup>5</sup> / <sub>16</sub>  | 21 <sup>5</sup> / <sub>8</sub> | 22 <sup>7</sup> / <sub>8</sub>   | 36 <sup>1</sup> / <sub>2</sub> | 24 <sup>3</sup> / <sub>16</sub> | 24 <sup>3</sup> / <sub>8</sub>  |
|                                                                                                    |                      |                     |                           |                                  |    |                                  |                                  |                                |                                  |                                  |                                |                                  |                                |                                 |                                 |
|                                                                                                    |                      |                     |                           |                                  |    |                                  |                                  |                                |                                  |                                  |                                |                                  |                                |                                 |                                 |

(t) Insert side rail height. (\*) Insert bottom style (+) Insert "VO" for vertical outside or "VI" for vertical inside to complete cat. no.  
Includes 1 pair of splice plates with hardware.

#### Part numbering system



## One-piece tray

### 45° Vertical bend fittings

#### 45° Vertical bend

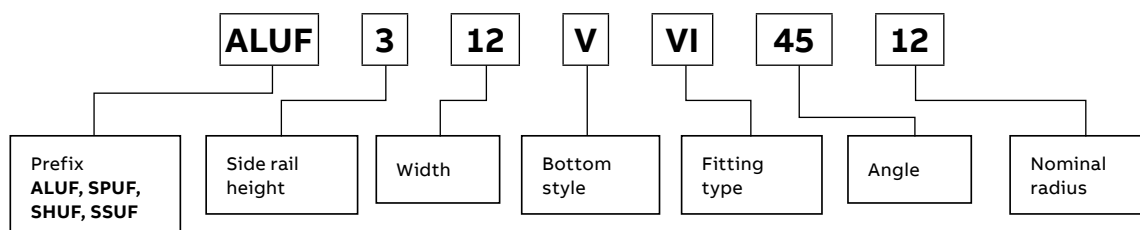
|                         | Nominal<br>radius<br>(in.) | Nominal<br>width<br>(in.) | Cat. no.                  | Dimensions (in.)          |                   |                   |                   |                   |                   |                          |                   |                   |                   |                   |                  |
|-------------------------|----------------------------|---------------------------|---------------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------------|-------------------|-------------------|-------------------|-------------------|------------------|
|                         |                            |                           |                           | (+ VO side<br>rail height |                   |                   |                   |                   |                   | (+ VI side<br>rail depth |                   |                   |                   |                   |                  |
|                         |                            |                           |                           | 2 in., 3 in., 6 in.       |                   |                   | 2 in.             |                   |                   | 3 in.                    |                   |                   | 6 in.             |                   |                  |
|                         |                            |                           |                           | X                         | Y                 | Z                 | X                 | Y                 | Z                 | X                        | Y                 | Z                 | X                 | Y                 | Z                |
| Outside bend ventilated | 12                         | 06                        | Prefix(t)-06-(*)-(+)45-12 | 8½                        | 3½                | 5                 | 9⅜ <sub>16</sub>  | 5⅝                | 5¾                | 11¼ <sub>16</sub>        | 7⅞                | 6¼ <sub>16</sub>  | 12⅞               | 9¼ <sub>16</sub>  | 7⅞ <sub>16</sub> |
|                         | 12                         | 09                        | Prefix(t)-09-(*)-(+)45-12 | 8½                        | 3½                | 5                 | 9⅜ <sub>16</sub>  | 5⅝                | 5¾                | 11¼ <sub>16</sub>        | 7⅞                | 6¼ <sub>16</sub>  | 12⅞               | 9¼ <sub>16</sub>  | 7⅞ <sub>16</sub> |
|                         | 12                         | 12                        | Prefix(t)-12-(*)-(+)45-12 | 8½                        | 3½                | 5                 | 9⅜ <sub>16</sub>  | 5⅝                | 5¾                | 11¼ <sub>16</sub>        | 7⅞                | 6¼ <sub>16</sub>  | 12⅞               | 9¼ <sub>16</sub>  | 7⅞ <sub>16</sub> |
|                         | 12                         | 18                        | Prefix(t)-18-(*)-(+)45-12 | 8½                        | 3½                | 5                 | 9⅜ <sub>16</sub>  | 5⅝                | 5¾                | 11¼ <sub>16</sub>        | 7⅞                | 6¼ <sub>16</sub>  | 12⅞               | 9¼ <sub>16</sub>  | 7⅞ <sub>16</sub> |
|                         | 12                         | 24                        | Prefix(t)-24-(*)-(+)45-12 | 8½                        | 3½                | 5                 | 9⅜ <sub>16</sub>  | 5⅝                | 5¾                | 11¼ <sub>16</sub>        | 7⅞                | 6¼ <sub>16</sub>  | 12⅞               | 9¼ <sub>16</sub>  | 7⅞ <sub>16</sub> |
|                         | 12                         | 30                        | Prefix(t)-30-(*)-(+)45-12 | 8½                        | 3½                | 5                 | 9⅜ <sub>16</sub>  | 5⅝                | 5¾                | 11¼ <sub>16</sub>        | 7⅞                | 6¼ <sub>16</sub>  | 12⅞               | 9¼ <sub>16</sub>  | 7⅞ <sub>16</sub> |
|                         | 12                         | 36                        | Prefix(t)-36-(*)-(+)45-12 | 8½                        | 3½                | 5                 | 9⅜ <sub>16</sub>  | 5⅝                | 5¾                | 11¼ <sub>16</sub>        | 7⅞                | 6¼ <sub>16</sub>  | 12⅞               | 9¼ <sub>16</sub>  | 7⅞ <sub>16</sub> |
| Inside bend ventilated  | 24                         | 06                        | Prefix(t)-06-(*)-(+)45-24 | 17                        | 7                 | 9⅜ <sub>16</sub>  | 18⅜ <sub>16</sub> | 8⅞                | 10⅜ <sub>16</sub> | 19½                      | 10⅞               | 11⅞ <sub>16</sub> | 21⅜               | 13⅜ <sub>16</sub> | 12½              |
|                         | 24                         | 09                        | Prefix(t)-09-(*)-(+)45-24 | 17                        | 7                 | 9⅜ <sub>16</sub>  | 18⅜ <sub>16</sub> | 8⅞                | 10⅜ <sub>16</sub> | 19½                      | 10⅞               | 11⅞ <sub>16</sub> | 21⅜               | 13⅜ <sub>16</sub> | 12½              |
|                         | 24                         | 12                        | Prefix(t)-12-(*)-(+)45-24 | 17                        | 7                 | 9⅜ <sub>16</sub>  | 18⅜ <sub>16</sub> | 8⅞                | 10⅜ <sub>16</sub> | 19½                      | 10⅞               | 11⅞ <sub>16</sub> | 21⅜               | 13⅜ <sub>16</sub> | 12½              |
|                         | 24                         | 18                        | Prefix(t)-18-(*)-(+)45-24 | 17                        | 7                 | 9⅜ <sub>16</sub>  | 18⅜ <sub>16</sub> | 8⅞                | 10⅜ <sub>16</sub> | 19½                      | 10⅞               | 11⅞ <sub>16</sub> | 21⅜               | 13⅜ <sub>16</sub> | 12½              |
|                         | 24                         | 24                        | Prefix(t)-24-(*)-(+)45-24 | 17                        | 7                 | 9⅜ <sub>16</sub>  | 18⅜ <sub>16</sub> | 8⅞                | 10⅜ <sub>16</sub> | 19½                      | 10⅞               | 11⅞ <sub>16</sub> | 21⅜               | 13⅜ <sub>16</sub> | 12½              |
|                         | 24                         | 30                        | Prefix(t)-30-(*)-(+)45-24 | 17                        | 7                 | 9⅜ <sub>16</sub>  | 18⅜ <sub>16</sub> | 8⅞                | 10⅜ <sub>16</sub> | 19½                      | 10⅞               | 11⅞ <sub>16</sub> | 21⅜               | 13⅜ <sub>16</sub> | 12½              |
|                         | 24                         | 36                        | Prefix(t)-36-(*)-(+)45-24 | 17                        | 7                 | 9⅜ <sub>16</sub>  | 18⅜ <sub>16</sub> | 8⅞                | 10⅜ <sub>16</sub> | 19½                      | 10⅞               | 11⅞ <sub>16</sub> | 21⅜               | 13⅜ <sub>16</sub> | 12½              |
|                         | 36                         | 06                        | Prefix(t)-06-(*)-(+)45-36 | 25⅞ <sub>16</sub>         | 10⅞ <sub>16</sub> | 14⅜ <sub>16</sub> | 26⅜ <sub>16</sub> | 12⅞ <sub>16</sub> | 15⅜ <sub>16</sub> | 28                       | 14⅜ <sub>16</sub> | 16⅞ <sub>16</sub> | 29⅜ <sub>16</sub> | 16⅜ <sub>16</sub> | 17½              |
|                         | 36                         | 09                        | Prefix(t)-09-(*)-(+)45-36 | 25⅞ <sub>16</sub>         | 10⅞ <sub>16</sub> | 14⅜ <sub>16</sub> | 26⅜ <sub>16</sub> | 12⅞ <sub>16</sub> | 15⅜ <sub>16</sub> | 28                       | 14⅜ <sub>16</sub> | 16⅞ <sub>16</sub> | 29⅜ <sub>16</sub> | 16⅜ <sub>16</sub> | 17½              |
|                         | 36                         | 12                        | Prefix(t)-12-(*)-(+)45-36 | 25⅞ <sub>16</sub>         | 10⅞ <sub>16</sub> | 14⅜ <sub>16</sub> | 26⅜ <sub>16</sub> | 12⅞ <sub>16</sub> | 15⅜ <sub>16</sub> | 28                       | 14⅜ <sub>16</sub> | 16⅞ <sub>16</sub> | 29⅜ <sub>16</sub> | 16⅜ <sub>16</sub> | 17½              |
|                         | 36                         | 18                        | Prefix(t)-18-(*)-(+)45-36 | 25⅞ <sub>16</sub>         | 10⅞ <sub>16</sub> | 14⅜ <sub>16</sub> | 26⅜ <sub>16</sub> | 12⅞ <sub>16</sub> | 15⅜ <sub>16</sub> | 28                       | 14⅜ <sub>16</sub> | 16⅞ <sub>16</sub> | 29⅜ <sub>16</sub> | 16⅜ <sub>16</sub> | 17½              |
|                         | 36                         | 24                        | Prefix(t)-24-(*)-(+)45-36 | 25⅞ <sub>16</sub>         | 10⅞ <sub>16</sub> | 14⅜ <sub>16</sub> | 26⅜ <sub>16</sub> | 12⅞ <sub>16</sub> | 15⅜ <sub>16</sub> | 28                       | 14⅜ <sub>16</sub> | 16⅞ <sub>16</sub> | 29⅜ <sub>16</sub> | 16⅜ <sub>16</sub> | 17½              |
|                         | 36                         | 30                        | Prefix(t)-30-(*)-(+)45-36 | 25⅞ <sub>16</sub>         | 10⅞ <sub>16</sub> | 14⅜ <sub>16</sub> | 26⅜ <sub>16</sub> | 12⅞ <sub>16</sub> | 15⅜ <sub>16</sub> | 28                       | 14⅜ <sub>16</sub> | 16⅞ <sub>16</sub> | 29⅜ <sub>16</sub> | 16⅜ <sub>16</sub> | 17½              |
|                         | 36                         | 36                        | Prefix(t)-36-(*)-(+)45-36 | 25⅞ <sub>16</sub>         | 10⅞ <sub>16</sub> | 14⅜ <sub>16</sub> | 26⅜ <sub>16</sub> | 12⅞ <sub>16</sub> | 15⅜ <sub>16</sub> | 28                       | 14⅜ <sub>16</sub> | 16⅞ <sub>16</sub> | 29⅜ <sub>16</sub> | 16⅜ <sub>16</sub> | 17½              |

(t) Insert side rail height. (\*) Insert bottom style (+) Insert "VO" for vertical outside or "VI" for vertical inside to complete cat. no.  
Includes 1 pair of splice plates with hardware.

#### Selection guide

- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Inside tray widths: 06, 09, 12, 18, 24, 30, 36 in.
- Angle: 45°
- Nominal radius: 12, 24, 36 in.
- Bottom styles: V— ventilated, S— solid
- Side rail height: 2, 3, 6 in.

#### Part numbering system



## One-piece tray

### 30° Vertical bend fittings

#### 30° Vertical bend

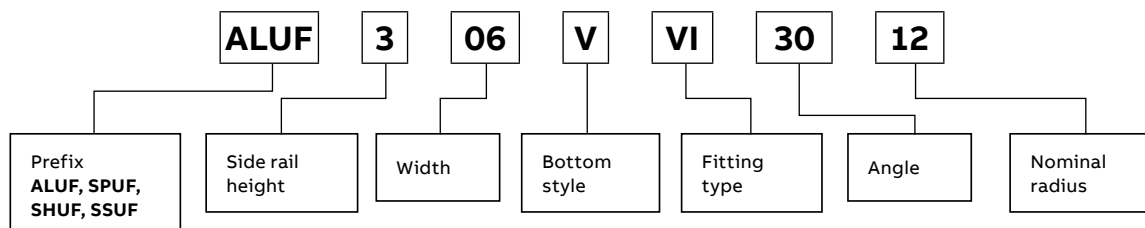
|                         | Nominal<br>radius<br>(in.) | Nominal<br>width<br>(in.) | Cat. no.                  | Dimensions (in.)          |                                 |                                |                                  |                                 |                                 |                                  |                                 |                                |                                |                                 |                                 |
|-------------------------|----------------------------|---------------------------|---------------------------|---------------------------|---------------------------------|--------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------|---------------------------------|--------------------------------|--------------------------------|---------------------------------|---------------------------------|
|                         |                            |                           |                           | (+ VO side<br>rail height |                                 |                                |                                  |                                 |                                 | (+ VI Side<br>Rail Depth         |                                 |                                |                                |                                 |                                 |
|                         |                            |                           |                           | 2 in., 3 in., 6 in.       |                                 |                                | 2 in.                            |                                 |                                 | 3 in.                            |                                 |                                | 6 in.                          |                                 |                                 |
|                         |                            |                           |                           | X                         | Y                               | Z                              | X                                | Y                               | Z                               | X                                | Y                               | Z                              | X                              | Y                               | Z                               |
| Outside bend ventilated | 12                         | 06                        | Prefix(t)-06-(*)-(+)30-12 | 6                         | 1 <sup>5</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>16</sub> | 6 <sup>15</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub>   | 3 <sup>11</sup> / <sub>16</sub> | 7 <sup>13</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>4</sub>   | 4 <sup>3</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub>  | 7 <sup>13</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   |
|                         | 12                         | 09                        | Prefix(t)-12-(*)-(+)30-12 | 6                         | 1 <sup>5</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>16</sub> | 6 <sup>15</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub>   | 3 <sup>11</sup> / <sub>16</sub> | 7 <sup>13</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>4</sub>   | 4 <sup>3</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub>  | 7 <sup>13</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   |
|                         | 12                         | 12                        | Prefix(t)-12-(*)-(+)30-12 | 6                         | 1 <sup>5</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>16</sub> | 6 <sup>15</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub>   | 3 <sup>11</sup> / <sub>16</sub> | 7 <sup>13</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>4</sub>   | 4 <sup>3</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub>  | 7 <sup>13</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   |
|                         | 12                         | 18                        | Prefix(t)-18-(*)-(+)30-12 | 6                         | 1 <sup>5</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>16</sub> | 6 <sup>15</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub>   | 3 <sup>11</sup> / <sub>16</sub> | 7 <sup>13</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>4</sub>   | 4 <sup>3</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub>  | 7 <sup>13</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   |
|                         | 12                         | 24                        | Prefix(t)-24-(*)-(+)30-12 | 6                         | 1 <sup>5</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>16</sub> | 6 <sup>15</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub>   | 3 <sup>11</sup> / <sub>16</sub> | 7 <sup>13</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>4</sub>   | 4 <sup>3</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub>  | 7 <sup>13</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   |
|                         | 12                         | 30                        | Prefix(t)-30-(*)-(+)30-12 | 6                         | 1 <sup>5</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>16</sub> | 6 <sup>15</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub>   | 3 <sup>11</sup> / <sub>16</sub> | 7 <sup>13</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>4</sub>   | 4 <sup>3</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub>  | 7 <sup>13</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   |
|                         | 12                         | 36                        | Prefix(t)-36-(*)-(+)30-12 | 6                         | 1 <sup>5</sup> / <sub>8</sub>   | 3 <sup>3</sup> / <sub>16</sub> | 6 <sup>15</sup> / <sub>16</sub>  | 3 <sup>1</sup> / <sub>2</sub>   | 3 <sup>11</sup> / <sub>16</sub> | 7 <sup>13</sup> / <sub>16</sub>  | 5 <sup>1</sup> / <sub>4</sub>   | 4 <sup>3</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub>  | 7 <sup>13</sup> / <sub>16</sub> | 4 <sup>7</sup> / <sub>8</sub>   |
| Inside bend ventilated  | 24                         | 06                        | Prefix(t)-06-(*)-(+)30-24 | 12                        | 3 <sup>3</sup> / <sub>16</sub>  | 6 <sup>7</sup> / <sub>16</sub> | 12 <sup>15</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>16</sub>  | 6 <sup>15</sup> / <sub>16</sub> | 13 <sup>13</sup> / <sub>16</sub> | 6 <sup>13</sup> / <sub>16</sub> | 7 <sup>3</sup> / <sub>8</sub>  | 15 <sup>1</sup> / <sub>8</sub> | 9 <sup>3</sup> / <sub>8</sub>   | 8 <sup>3</sup> / <sub>16</sub>  |
|                         | 24                         | 09                        | Prefix(t)-12-(*)-(+)30-24 | 12                        | 3 <sup>3</sup> / <sub>16</sub>  | 6 <sup>7</sup> / <sub>16</sub> | 12 <sup>15</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>16</sub>  | 6 <sup>15</sup> / <sub>16</sub> | 13 <sup>13</sup> / <sub>16</sub> | 6 <sup>13</sup> / <sub>16</sub> | 7 <sup>3</sup> / <sub>8</sub>  | 15 <sup>1</sup> / <sub>8</sub> | 9 <sup>3</sup> / <sub>8</sub>   | 8 <sup>3</sup> / <sub>16</sub>  |
|                         | 24                         | 12                        | Prefix(t)-12-(*)-(+)30-24 | 12                        | 3 <sup>3</sup> / <sub>16</sub>  | 6 <sup>7</sup> / <sub>16</sub> | 12 <sup>15</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>16</sub>  | 6 <sup>15</sup> / <sub>16</sub> | 13 <sup>13</sup> / <sub>16</sub> | 6 <sup>13</sup> / <sub>16</sub> | 7 <sup>3</sup> / <sub>8</sub>  | 15 <sup>1</sup> / <sub>8</sub> | 9 <sup>3</sup> / <sub>8</sub>   | 8 <sup>3</sup> / <sub>16</sub>  |
|                         | 24                         | 18                        | Prefix(t)-18-(*)-(+)30-24 | 12                        | 3 <sup>3</sup> / <sub>16</sub>  | 6 <sup>7</sup> / <sub>16</sub> | 12 <sup>15</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>16</sub>  | 6 <sup>15</sup> / <sub>16</sub> | 13 <sup>13</sup> / <sub>16</sub> | 6 <sup>13</sup> / <sub>16</sub> | 7 <sup>3</sup> / <sub>8</sub>  | 15 <sup>1</sup> / <sub>8</sub> | 9 <sup>3</sup> / <sub>8</sub>   | 8 <sup>3</sup> / <sub>16</sub>  |
|                         | 24                         | 24                        | Prefix(t)-24-(*)-(+)30-24 | 12                        | 3 <sup>3</sup> / <sub>16</sub>  | 6 <sup>7</sup> / <sub>16</sub> | 12 <sup>15</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>16</sub>  | 6 <sup>15</sup> / <sub>16</sub> | 13 <sup>13</sup> / <sub>16</sub> | 6 <sup>13</sup> / <sub>16</sub> | 7 <sup>3</sup> / <sub>8</sub>  | 15 <sup>1</sup> / <sub>8</sub> | 9 <sup>3</sup> / <sub>8</sub>   | 8 <sup>3</sup> / <sub>16</sub>  |
|                         | 24                         | 30                        | Prefix(t)-30-(*)-(+)30-24 | 12                        | 3 <sup>3</sup> / <sub>16</sub>  | 6 <sup>7</sup> / <sub>16</sub> | 12 <sup>15</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>16</sub>  | 6 <sup>15</sup> / <sub>16</sub> | 13 <sup>13</sup> / <sub>16</sub> | 6 <sup>13</sup> / <sub>16</sub> | 7 <sup>3</sup> / <sub>8</sub>  | 15 <sup>1</sup> / <sub>8</sub> | 9 <sup>3</sup> / <sub>8</sub>   | 8 <sup>3</sup> / <sub>16</sub>  |
|                         | 24                         | 36                        | Prefix(t)-36-(*)-(+)30-24 | 12                        | 3 <sup>3</sup> / <sub>16</sub>  | 6 <sup>7</sup> / <sub>16</sub> | 12 <sup>15</sup> / <sub>16</sub> | 5 <sup>1</sup> / <sub>16</sub>  | 6 <sup>15</sup> / <sub>16</sub> | 13 <sup>13</sup> / <sub>16</sub> | 6 <sup>13</sup> / <sub>16</sub> | 7 <sup>3</sup> / <sub>8</sub>  | 15 <sup>1</sup> / <sub>8</sub> | 9 <sup>3</sup> / <sub>8</sub>   | 8 <sup>3</sup> / <sub>16</sub>  |
|                         | 36                         | 06                        | Prefix(t)-06-(*)-(+)30-36 | 18                        | 4 <sup>13</sup> / <sub>16</sub> | 9 <sup>5</sup> / <sub>8</sub>  | 18 <sup>15</sup> / <sub>16</sub> | 6 <sup>11</sup> / <sub>16</sub> | 10 <sup>5</sup> / <sub>8</sub>  | 19 <sup>13</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>16</sub>  | 10 <sup>5</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>8</sub> | 11                              | 11 <sup>5</sup> / <sub>16</sub> |
|                         | 36                         | 09                        | Prefix(t)-12-(*)-(+)30-36 | 18                        | 4 <sup>13</sup> / <sub>16</sub> | 9 <sup>5</sup> / <sub>8</sub>  | 18 <sup>15</sup> / <sub>16</sub> | 6 <sup>11</sup> / <sub>16</sub> | 10 <sup>5</sup> / <sub>8</sub>  | 19 <sup>13</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>16</sub>  | 10 <sup>5</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>8</sub> | 11                              | 11 <sup>5</sup> / <sub>16</sub> |
|                         | 36                         | 12                        | Prefix(t)-12-(*)-(+)30-36 | 18                        | 4 <sup>13</sup> / <sub>16</sub> | 9 <sup>5</sup> / <sub>8</sub>  | 18 <sup>15</sup> / <sub>16</sub> | 6 <sup>11</sup> / <sub>16</sub> | 10 <sup>5</sup> / <sub>8</sub>  | 19 <sup>13</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>16</sub>  | 10 <sup>5</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>8</sub> | 11                              | 11 <sup>5</sup> / <sub>16</sub> |
|                         | 36                         | 18                        | Prefix(t)-18-(*)-(+)30-36 | 18                        | 4 <sup>13</sup> / <sub>16</sub> | 9 <sup>5</sup> / <sub>8</sub>  | 18 <sup>15</sup> / <sub>16</sub> | 6 <sup>11</sup> / <sub>16</sub> | 10 <sup>5</sup> / <sub>8</sub>  | 19 <sup>13</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>16</sub>  | 10 <sup>5</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>8</sub> | 11                              | 11 <sup>5</sup> / <sub>16</sub> |
|                         | 36                         | 24                        | Prefix(t)-24-(*)-(+)30-36 | 18                        | 4 <sup>13</sup> / <sub>16</sub> | 9 <sup>5</sup> / <sub>8</sub>  | 18 <sup>15</sup> / <sub>16</sub> | 6 <sup>11</sup> / <sub>16</sub> | 10 <sup>5</sup> / <sub>8</sub>  | 19 <sup>13</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>16</sub>  | 10 <sup>5</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>8</sub> | 11                              | 11 <sup>5</sup> / <sub>16</sub> |
|                         | 36                         | 30                        | Prefix(t)-30-(*)-(+)30-36 | 18                        | 4 <sup>13</sup> / <sub>16</sub> | 9 <sup>5</sup> / <sub>8</sub>  | 18 <sup>15</sup> / <sub>16</sub> | 6 <sup>11</sup> / <sub>16</sub> | 10 <sup>5</sup> / <sub>8</sub>  | 19 <sup>13</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>16</sub>  | 10 <sup>5</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>8</sub> | 11                              | 11 <sup>5</sup> / <sub>16</sub> |
|                         | 36                         | 36                        | Prefix(t)-36-(*)-(+)30-36 | 18                        | 4 <sup>13</sup> / <sub>16</sub> | 9 <sup>5</sup> / <sub>8</sub>  | 18 <sup>15</sup> / <sub>16</sub> | 6 <sup>11</sup> / <sub>16</sub> | 10 <sup>5</sup> / <sub>8</sub>  | 19 <sup>13</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>16</sub>  | 10 <sup>5</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>8</sub> | 11                              | 11 <sup>5</sup> / <sub>16</sub> |

(t) Insert side rail height. (\*) Insert bottom style (+) Insert "VO" for vertical outside or "VI" for vertical inside to complete cat. no.  
Includes 1 pair of splice plates with hardware.

#### Selection guide

- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Inside tray widths: 06, 09, 12, 18, 24, 30, 36 in.
- Angle: 30°
- Nominal radius: 12, 24, 36 in.
- Bottom styles: V– ventilated, S– solid
- Side rail height: 2, 3, 6 in.

#### Part numbering system



## One-piece tray

### Horizontal reducer fittings

Straight reducer solid



Straight reducer ventilated



#### Selection guide

- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Tray widths W1: 36, 30, 24, 18, 12, 09 in.
- Tray widths W2: 30, 24, 18, 12, 09, 06 in.
- Bottom styles: V– ventilated, S– solid
- Side rail height: 2, 3, 6 in.

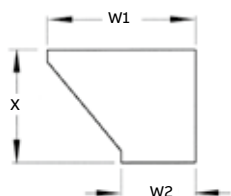
#### Horizontal reducer

| Widths (in.) |    | LH reducer              |                                  |
|--------------|----|-------------------------|----------------------------------|
| W1           | W2 | Cat. no.                | Dim. X (in.)                     |
| 36           | 30 | Prefix(t)-36-30-(*)-HLR | 15 <sup>7</sup> / <sub>16</sub>  |
| 36           | 24 | Prefix(t)-36-24-(*)-HLR | 18 <sup>15</sup> / <sub>16</sub> |
| 36           | 18 | Prefix(t)-36-18-(*)-HLR | 22 <sup>3</sup> / <sub>8</sub>   |
| 36           | 12 | Prefix(t)-36-12-(*)-HLR | 25 <sup>5</sup> / <sub>8</sub>   |
| 36           | 09 | Prefix(t)-36-09-(*)-HLR | 27 <sup>19</sup> / <sub>32</sub> |
| 36           | 06 | Prefix(t)-36-06-(*)-HLR | 29 <sup>9</sup> / <sub>16</sub>  |
| 30           | 24 | Prefix(t)-30-24-(*)-HLR | 15 <sup>7</sup> / <sub>16</sub>  |
| 30           | 18 | Prefix(t)-30-18-(*)-HLR | 18 <sup>15</sup> / <sub>16</sub> |
| 30           | 12 | Prefix(t)-30-12-(*)-HLR | 22 <sup>3</sup> / <sub>8</sub>   |
| 30           | 09 | Prefix(t)-30-09-(*)-HLR | 24 <sup>1</sup> / <sub>8</sub>   |
| 30           | 06 | Prefix(t)-30-06-(*)-HLR | 25 <sup>5</sup> / <sub>8</sub>   |
| 24           | 18 | Prefix(t)-24-18-(*)-HLR | 15 <sup>7</sup> / <sub>16</sub>  |
| 24           | 12 | Prefix(t)-24-12-(*)-HLR | 18 <sup>15</sup> / <sub>16</sub> |
| 24           | 09 | Prefix(t)-24-09-(*)-HLR | 20 <sup>21</sup> / <sub>32</sub> |
| 24           | 06 | Prefix(t)-24-06-(*)-HLR | 22 <sup>3</sup> / <sub>8</sub>   |
| 18           | 12 | Prefix(t)-18-12-(*)-HLR | 15 <sup>7</sup> / <sub>16</sub>  |
| 18           | 09 | Prefix(t)-18-09-(*)-HLR | 17 <sup>3</sup> / <sub>16</sub>  |
| 18           | 06 | Prefix(t)-18-06-(*)-HLR | 18 <sup>15</sup> / <sub>16</sub> |
| 12           | 09 | Prefix(t)-12-09-(*)-HLR | 15 <sup>7</sup> / <sub>16</sub>  |
| 12           | 06 | Prefix(t)-12-06-(*)-HLR | 13 <sup>3</sup> / <sub>4</sub>   |
| 09           | 06 | Prefix(t)-09-06-(*)-HLR | 13 <sup>3</sup> / <sub>4</sub>   |

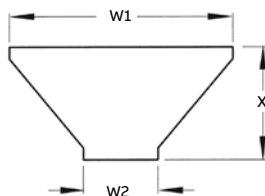
| Straight reducer        |                                  |
|-------------------------|----------------------------------|
| Cat. no.                | Dim. X (in.)                     |
| Prefix(t)-36-30-(*)-HSR | 13 <sup>3</sup> / <sub>4</sub>   |
| Prefix(t)-36-24-(*)-HSR | 15 <sup>7</sup> / <sub>16</sub>  |
| Prefix(t)-36-18-(*)-HSR | 17 <sup>3</sup> / <sub>8</sub>   |
| Prefix(t)-36-12-(*)-HSR | 18 <sup>5</sup> / <sub>16</sub>  |
| Prefix(t)-36-09-(*)-HSR | 19 <sup>1</sup> / <sub>2</sub>   |
| Prefix(t)-36-06-(*)-HSR | 20 <sup>11</sup> / <sub>16</sub> |
| Prefix(t)-30-24-(*)-HSR | 13 <sup>3</sup> / <sub>4</sub>   |
| Prefix(t)-30-18-(*)-HSR | 15 <sup>7</sup> / <sub>16</sub>  |
| Prefix(t)-30-12-(*)-HSR | 17 <sup>3</sup> / <sub>16</sub>  |
| Prefix(t)-30-09-(*)-HSR | 18 <sup>1</sup> / <sub>16</sub>  |
| Prefix(t)-30-06-(*)-HSR | 18 <sup>15</sup> / <sub>16</sub> |
| Prefix(t)-24-18-(*)-HSR | 13 <sup>3</sup> / <sub>4</sub>   |
| Prefix(t)-24-12-(*)-HSR | 15 <sup>7</sup> / <sub>16</sub>  |
| Prefix(t)-24-09-(*)-HSR | 16 <sup>11</sup> / <sub>32</sub> |
| Prefix(t)-24-06-(*)-HSR | 17 <sup>3</sup> / <sub>16</sub>  |
| Prefix(t)-18-12-(*)-HSR | 13 <sup>3</sup> / <sub>4</sub>   |
| Prefix(t)-18-09-(*)-HSR | 14 <sup>19</sup> / <sub>32</sub> |
| Prefix(t)-18-06-(*)-HSR | 15 <sup>7</sup> / <sub>16</sub>  |
| Prefix(t)-12-09-(*)-HSR | 13 <sup>3</sup> / <sub>4</sub>   |
| Prefix(t)-12-06-(*)-HSR | 12 <sup>7</sup> / <sub>8</sub>   |
| Prefix(t)-09-06-(*)-HSR | 12 <sup>7</sup> / <sub>8</sub>   |

| RH reducer              |                                  |
|-------------------------|----------------------------------|
| Cat. no.                | Dim. X (in.)                     |
| Prefix(t)-36-30-(*)-HRR | 15 <sup>7</sup> / <sub>16</sub>  |
| Prefix(t)-36-24-(*)-HRR | 18 <sup>15</sup> / <sub>16</sub> |
| Prefix(t)-36-18-(*)-HRR | 22 <sup>3</sup> / <sub>8</sub>   |
| Prefix(t)-36-12-(*)-HRR | 25 <sup>5</sup> / <sub>8</sub>   |
| Prefix(t)-36-09-(*)-HRR | 27 <sup>19</sup> / <sub>32</sub> |
| Prefix(t)-36-06-(*)-HRR | 29 <sup>9</sup> / <sub>16</sub>  |
| Prefix(t)-30-24-(*)-HRR | 15 <sup>7</sup> / <sub>16</sub>  |
| Prefix(t)-30-18-(*)-HRR | 18 <sup>15</sup> / <sub>16</sub> |
| Prefix(t)-30-12-(*)-HRR | 22 <sup>3</sup> / <sub>8</sub>   |
| Prefix(t)-30-09-(*)-HRR | 24 <sup>1</sup> / <sub>8</sub>   |
| Prefix(t)-30-06-(*)-HRR | 25 <sup>5</sup> / <sub>8</sub>   |
| Prefix(t)-24-18-(*)-HRR | 15 <sup>7</sup> / <sub>16</sub>  |
| Prefix(t)-24-12-(*)-HRR | 18 <sup>15</sup> / <sub>16</sub> |
| Prefix(t)-24-09-(*)-HRR | 20 <sup>21</sup> / <sub>32</sub> |
| Prefix(t)-24-06-(*)-HRR | 22 <sup>3</sup> / <sub>8</sub>   |
| Prefix(t)-18-12-(*)-HRR | 15 <sup>7</sup> / <sub>16</sub>  |
| Prefix(t)-18-09-(*)-HRR | 17 <sup>3</sup> / <sub>16</sub>  |
| Prefix(t)-18-06-(*)-HRR | 18 <sup>15</sup> / <sub>16</sub> |
| Prefix(t)-12-09-(*)-HRR | 15 <sup>7</sup> / <sub>16</sub>  |
| Prefix(t)-12-06-(*)-HRR | 13 <sup>3</sup> / <sub>4</sub>   |
| Prefix(t)-09-06-(*)-HRR | 13 <sup>3</sup> / <sub>4</sub>   |

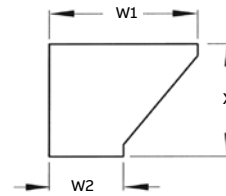
Straight reducer



Offset reducer – right

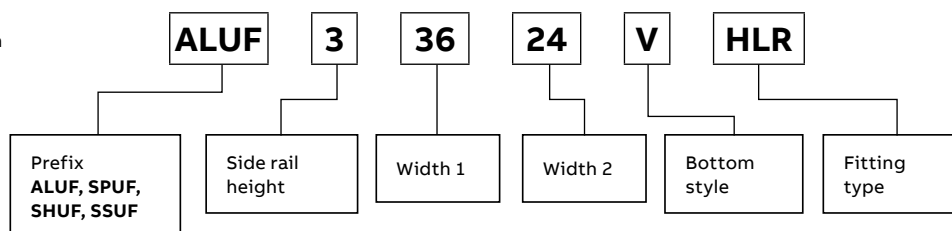


Offset reducer – left



(t) Insert side rail height. (\*) Insert bottom style to complete cat. no.  
Includes 1 pair of splice plates with hardware.

#### Part numbering system





## One-piece tray

### 45° Horizontal wye fittings



#### Selection guide

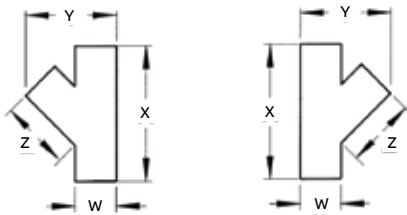
- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Inside tray widths: 06, 09, 12, 18, 24, 30, 36 in.
- Bottom styles: V– ventilated, S– solid
- Side rail height: 2, 3, 6 in.

#### 45° Horizontal wye

| Width (in.) | Left-hand wye<br>cat. no. | Right-hand wye<br>cat. no. | Dimensions (in.)                 |                                  |                                 |
|-------------|---------------------------|----------------------------|----------------------------------|----------------------------------|---------------------------------|
|             |                           |                            | X                                | Y                                | Z                               |
| 06          | Prefix(t)-06-(*)-HYL      | Prefix(t)-06-(*)-HYR       | 18 <sup>9</sup> / <sub>16</sub>  | 14 <sup>13</sup> / <sub>16</sub> | 12 <sup>7</sup> / <sub>16</sub> |
| 09          | Prefix(t)-09-(*)-HYL      | Prefix(t)-09-(*)-HYR       | 22 <sup>17</sup> / <sub>32</sub> | 19 <sup>29</sup> / <sub>32</sub> | 15 <sup>5</sup> / <sub>16</sub> |
| 12          | Prefix(t)-12-(*)-HYL      | Prefix(t)-12-(*)-HYR       | 26 <sup>3</sup> / <sub>4</sub>   | 25                               | 18 <sup>7</sup> / <sub>16</sub> |
| 18          | Prefix(t)-18-(*)-HYL      | Prefix(t)-18-(*)-HYR       | 35 <sup>1</sup> / <sub>4</sub>   | 35 <sup>1</sup> / <sub>4</sub>   | 24 <sup>7</sup> / <sub>16</sub> |
| 24          | Prefix(t)-24-(*)-HYL      | Prefix(t)-24-(*)-HYR       | 43 <sup>1</sup> / <sub>2</sub>   | 45 <sup>1</sup> / <sub>2</sub>   | 30 <sup>7</sup> / <sub>16</sub> |
| 30          | Prefix(t)-30-(*)-HYL      | Prefix(t)-30-(*)-HYR       | 52 <sup>1</sup> / <sub>4</sub>   | 55 <sup>3</sup> / <sub>4</sub>   | 36 <sup>7</sup> / <sub>16</sub> |
| 36          | Prefix(t)-36-(*)-HYL      | Prefix(t)-36-(*)-HYR       | 60 <sup>11</sup> / <sub>16</sub> | 66                               | 42 <sup>7</sup> / <sub>16</sub> |

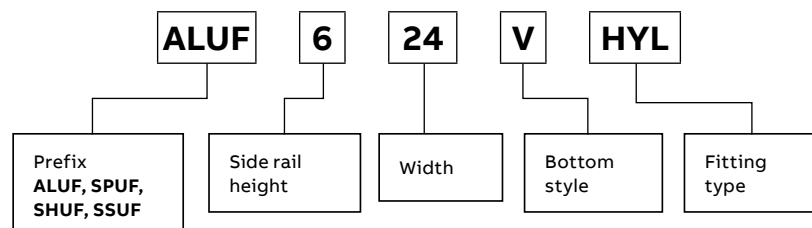
Left hand wye

Right hand wye



(t) Insert side rail height. (\*) Insert bottom style to complete cat. no.  
Includes 2 pairs of splice plates with hardware.

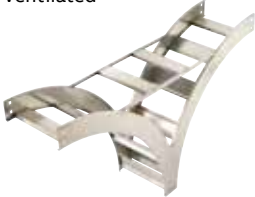
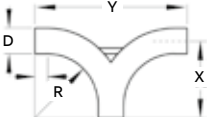
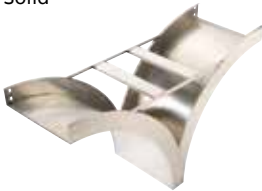
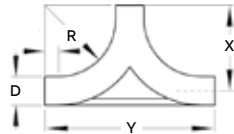
#### Part numbering system



## One-piece tray

### Vertical tee up/down fittings

#### Vertical tee up/down

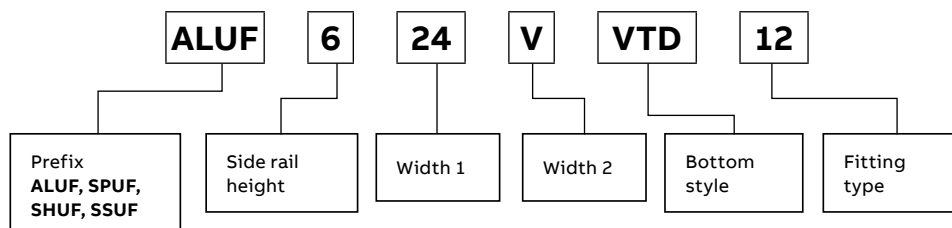
|                                                                                                 | Nominal radius (in.) | Nominal width (in.) | Vertical tee up cat. no. | Vertical tee down cat. no. | Dimensions (in.)                 |                                |                                  |                                |                                |                                 |
|-------------------------------------------------------------------------------------------------|----------------------|---------------------|--------------------------|----------------------------|----------------------------------|--------------------------------|----------------------------------|--------------------------------|--------------------------------|---------------------------------|
|                                                                                                 |                      |                     |                          |                            | Side rail height "D"             |                                |                                  |                                |                                |                                 |
|                                                                                                 |                      |                     |                          |                            | 2 in.                            |                                | 3 in.                            |                                | 6 in.                          |                                 |
|                                                                                                 |                      |                     |                          |                            | X                                | Y                              | X                                | Y                              | X                              | Y                               |
| Ventilated<br> | 12                   | 06                  | Prefix(t)-06-(*)-VTU12   | Prefix-06-(*)-VTD12        | 12 <sup>15</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>8</sub> | 13 <sup>13</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>8</sub> | 15 <sup>1</sup> / <sub>8</sub> | 30 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 12                   | 09                  | Prefix(t)-09-(*)-VTU12   | Prefix-09-(*)-VTD12        | 12 <sup>15</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>8</sub> | 13 <sup>13</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>8</sub> | 15 <sup>1</sup> / <sub>8</sub> | 30 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 12                   | 12                  | Prefix(t)-12-(*)-VTU12   | Prefix-12-(*)-VTD12        | 12 <sup>15</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>8</sub> | 13 <sup>13</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>8</sub> | 15 <sup>1</sup> / <sub>8</sub> | 30 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 12                   | 18                  | Prefix(t)-18-(*)-VTU12   | Prefix-18-(*)-VTD12        | 12 <sup>15</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>8</sub> | 13 <sup>13</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>8</sub> | 15 <sup>1</sup> / <sub>8</sub> | 30 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 12                   | 24                  | Prefix(t)-24-(*)-VTU12   | Prefix-24-(*)-VTD12        | 12 <sup>15</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>8</sub> | 13 <sup>13</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>8</sub> | 15 <sup>1</sup> / <sub>8</sub> | 30 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 12                   | 30                  | Prefix(t)-30-(*)-VTU12   | Prefix-30-(*)-VTD12        | 12 <sup>15</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>8</sub> | 13 <sup>13</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>8</sub> | 15 <sup>1</sup> / <sub>8</sub> | 30 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 12                   | 36                  | Prefix(t)-36-(*)-VTU12   | Prefix-36-(*)-VTD12        | 12 <sup>15</sup> / <sub>16</sub> | 25 <sup>7</sup> / <sub>8</sub> | 13 <sup>13</sup> / <sub>16</sub> | 27 <sup>5</sup> / <sub>8</sub> | 15 <sup>1</sup> / <sub>8</sub> | 30 <sup>3</sup> / <sub>16</sub> |
| Down<br>       | 24                   | 06                  | Prefix(t)-06-(*)-VTU24   | Prefix-06-(*)-VTD24        | 24 <sup>15</sup> / <sub>16</sub> | 49 <sup>7</sup> / <sub>8</sub> | 25 <sup>13</sup> / <sub>16</sub> | 51 <sup>5</sup> / <sub>8</sub> | 27 <sup>1</sup> / <sub>8</sub> | 54 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 24                   | 09                  | Prefix(t)-12-(*)-VTU24   | Prefix-09-(*)-VTD24        | 24 <sup>15</sup> / <sub>16</sub> | 49 <sup>7</sup> / <sub>8</sub> | 25 <sup>13</sup> / <sub>16</sub> | 51 <sup>5</sup> / <sub>8</sub> | 27 <sup>1</sup> / <sub>8</sub> | 54 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 24                   | 12                  | Prefix(t)-12-(*)-VTU24   | Prefix-12-(*)-VTD24        | 24 <sup>15</sup> / <sub>16</sub> | 49 <sup>7</sup> / <sub>8</sub> | 25 <sup>13</sup> / <sub>16</sub> | 51 <sup>5</sup> / <sub>8</sub> | 27 <sup>1</sup> / <sub>8</sub> | 54 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 24                   | 18                  | Prefix(t)-18-(*)-VTU24   | Prefix-18-(*)-VTD24        | 24 <sup>15</sup> / <sub>16</sub> | 49 <sup>7</sup> / <sub>8</sub> | 25 <sup>13</sup> / <sub>16</sub> | 51 <sup>5</sup> / <sub>8</sub> | 27 <sup>1</sup> / <sub>8</sub> | 54 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 24                   | 24                  | Prefix(t)-24-(*)-VTU24   | Prefix-24-(*)-VTD24        | 24 <sup>15</sup> / <sub>16</sub> | 49 <sup>7</sup> / <sub>8</sub> | 25 <sup>13</sup> / <sub>16</sub> | 51 <sup>5</sup> / <sub>8</sub> | 27 <sup>1</sup> / <sub>8</sub> | 54 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 24                   | 30                  | Prefix(t)-30-(*)-VTU24   | Prefix-30-(*)-VTD24        | 24 <sup>15</sup> / <sub>16</sub> | 49 <sup>7</sup> / <sub>8</sub> | 25 <sup>13</sup> / <sub>16</sub> | 51 <sup>5</sup> / <sub>8</sub> | 27 <sup>1</sup> / <sub>8</sub> | 54 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 24                   | 36                  | Prefix(t)-36-(*)-VTU24   | Prefix-36-(*)-VTD24        | 24 <sup>15</sup> / <sub>16</sub> | 49 <sup>7</sup> / <sub>8</sub> | 25 <sup>13</sup> / <sub>16</sub> | 51 <sup>5</sup> / <sub>8</sub> | 27 <sup>1</sup> / <sub>8</sub> | 54 <sup>3</sup> / <sub>16</sub> |
| Solid<br>     | 36                   | 06                  | Prefix(t)-06-(*)-VTU36   | Prefix-06-(*)-VTD36        | 36 <sup>15</sup> / <sub>16</sub> | 73 <sup>7</sup> / <sub>8</sub> | 37 <sup>13</sup> / <sub>16</sub> | 75 <sup>5</sup> / <sub>8</sub> | 39 <sup>1</sup> / <sub>8</sub> | 78 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 36                   | 09                  | Prefix(t)-09-(*)-VTU36   | Prefix-09-(*)-VTD36        | 36 <sup>15</sup> / <sub>16</sub> | 73 <sup>7</sup> / <sub>8</sub> | 37 <sup>13</sup> / <sub>16</sub> | 75 <sup>5</sup> / <sub>8</sub> | 39 <sup>1</sup> / <sub>8</sub> | 78 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 36                   | 12                  | Prefix(t)-12-(*)-VTU36   | Prefix-12-(*)-VTD36        | 36 <sup>15</sup> / <sub>16</sub> | 73 <sup>7</sup> / <sub>8</sub> | 37 <sup>13</sup> / <sub>16</sub> | 75 <sup>5</sup> / <sub>8</sub> | 39 <sup>1</sup> / <sub>8</sub> | 78 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 36                   | 18                  | Prefix(t)-18-(*)-VTU36   | Prefix-18-(*)-VTD36        | 36 <sup>15</sup> / <sub>16</sub> | 73 <sup>7</sup> / <sub>8</sub> | 37 <sup>13</sup> / <sub>16</sub> | 75 <sup>5</sup> / <sub>8</sub> | 39 <sup>1</sup> / <sub>8</sub> | 78 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 36                   | 24                  | Prefix(t)-24-(*)-VTU36   | Prefix-24-(*)-VTD36        | 36 <sup>15</sup> / <sub>16</sub> | 73 <sup>7</sup> / <sub>8</sub> | 37 <sup>13</sup> / <sub>16</sub> | 75 <sup>5</sup> / <sub>8</sub> | 39 <sup>1</sup> / <sub>8</sub> | 78 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 36                   | 30                  | Prefix(t)-30-(*)-VTU36   | Prefix-30-(*)-VTD36        | 36 <sup>15</sup> / <sub>16</sub> | 73 <sup>7</sup> / <sub>8</sub> | 37 <sup>13</sup> / <sub>16</sub> | 75 <sup>5</sup> / <sub>8</sub> | 39 <sup>1</sup> / <sub>8</sub> | 78 <sup>3</sup> / <sub>16</sub> |
|                                                                                                 | 36                   | 36                  | Prefix(t)-36-(*)-VTU36   | Prefix-36-(*)-VTD36        | 36 <sup>15</sup> / <sub>16</sub> | 73 <sup>7</sup> / <sub>8</sub> | 37 <sup>13</sup> / <sub>16</sub> | 75 <sup>5</sup> / <sub>8</sub> | 39 <sup>1</sup> / <sub>8</sub> | 78 <sup>3</sup> / <sub>16</sub> |
| Up<br>       |                      |                     |                          |                            |                                  |                                |                                  |                                |                                |                                 |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no.  
Includes 2 pairs of splice plates with hardware.

#### Selection guide

- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Inside tray widths: 06, 09, 12, 18, 24, 30, 36 in.
- Nominal radius: 12, 24, 36 in.
- Bottom styles: V– ventilated, S– solid
- Side rail height: 2, 3, 6 in.

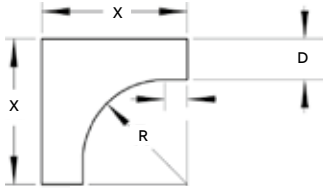
#### Part numbering system



## One-piece tray

### Cable support fittings

#### Cable support

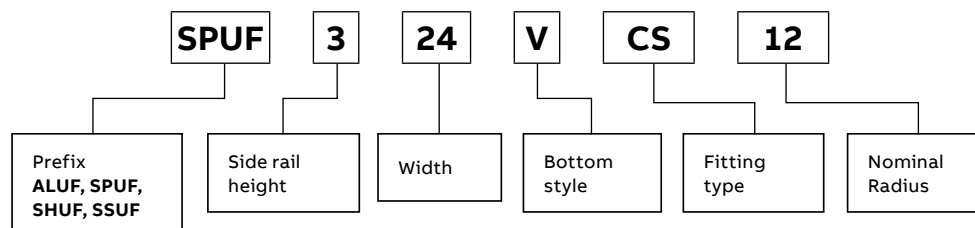
|                                                                                   | Nominal radius (in.) | Nominal width (in.) | Cat. no.              | Side rail height "D" |                  |                   |
|-----------------------------------------------------------------------------------|----------------------|---------------------|-----------------------|----------------------|------------------|-------------------|
|                                                                                   |                      |                     |                       | 2 in.                | 3 in.            | 6 in.             |
|                                                                                   |                      |                     |                       | X (in.)              |                  |                   |
|  | 12                   | 06                  | Prefix(t)-06-(*)-CS12 | 13 $\frac{7}{8}$     | 15 $\frac{5}{8}$ | 18 $\frac{3}{16}$ |
|                                                                                   | 12                   | 09                  | Prefix(t)-09-(*)-CS12 | 13 $\frac{7}{8}$     | 15 $\frac{5}{8}$ | 18 $\frac{3}{16}$ |
|                                                                                   | 12                   | 12                  | Prefix(t)-12-(*)-CS12 | 13 $\frac{7}{8}$     | 15 $\frac{5}{8}$ | 18 $\frac{3}{16}$ |
|                                                                                   | 12                   | 18                  | Prefix(t)-18-(*)-CS12 | 13 $\frac{7}{8}$     | 15 $\frac{5}{8}$ | 18 $\frac{3}{16}$ |
|                                                                                   | 12                   | 24                  | Prefix(t)-24-(*)-CS12 | 13 $\frac{7}{8}$     | 15 $\frac{5}{8}$ | 18 $\frac{3}{16}$ |
|                                                                                   | 12                   | 30                  | Prefix(t)-30-(*)-CS12 | 13 $\frac{7}{8}$     | 15 $\frac{5}{8}$ | 18 $\frac{3}{16}$ |
|                                                                                   | 12                   | 36                  | Prefix(t)-36-(*)-CS12 | 13 $\frac{7}{8}$     | 15 $\frac{5}{8}$ | 18 $\frac{3}{16}$ |
|                                                                                   | 24                   | 06                  | Prefix(t)-06-(*)-CS24 | 25 $\frac{7}{8}$     | 27 $\frac{7}{8}$ | 30 $\frac{3}{16}$ |
|                                                                                   | 24                   | 09                  | Prefix(t)-09-(*)-CS24 | 25 $\frac{7}{8}$     | 27 $\frac{7}{8}$ | 30 $\frac{3}{16}$ |
|                                                                                   | 24                   | 12                  | Prefix(t)-12-(*)-CS24 | 25 $\frac{7}{8}$     | 27 $\frac{7}{8}$ | 30 $\frac{3}{16}$ |
|                                                                                   | 24                   | 18                  | Prefix(t)-18-(*)-CS24 | 25 $\frac{7}{8}$     | 27 $\frac{7}{8}$ | 30 $\frac{3}{16}$ |
|                                                                                   | 24                   | 24                  | Prefix(t)-24-(*)-CS24 | 25 $\frac{7}{8}$     | 27 $\frac{7}{8}$ | 30 $\frac{3}{16}$ |
|                                                                                   | 24                   | 30                  | Prefix(t)-30-(*)-CS24 | 25 $\frac{7}{8}$     | 27 $\frac{7}{8}$ | 30 $\frac{3}{16}$ |
|                                                                                   | 24                   | 36                  | Prefix(t)-36-(*)-CS24 | 25 $\frac{7}{8}$     | 27 $\frac{7}{8}$ | 30 $\frac{3}{16}$ |
|                                                                                   | 36                   | 06                  | Prefix(t)-06-(*)-CS36 | 37 $\frac{7}{8}$     | 39 $\frac{7}{8}$ | 42 $\frac{3}{16}$ |
|                                                                                   | 36                   | 09                  | Prefix(t)-09-(*)-CS36 | 37 $\frac{7}{8}$     | 39 $\frac{7}{8}$ | 42 $\frac{3}{16}$ |
|                                                                                   | 36                   | 12                  | Prefix(t)-12-(*)-CS36 | 37 $\frac{7}{8}$     | 39 $\frac{7}{8}$ | 42 $\frac{3}{16}$ |
|                                                                                   | 36                   | 18                  | Prefix(t)-18-(*)-CS36 | 37 $\frac{7}{8}$     | 39 $\frac{7}{8}$ | 42 $\frac{3}{16}$ |
|                                                                                   | 36                   | 24                  | Prefix(t)-24-(*)-CS36 | 37 $\frac{7}{8}$     | 39 $\frac{7}{8}$ | 42 $\frac{3}{16}$ |
|                                                                                   | 36                   | 30                  | Prefix(t)-30-(*)-CS36 | 37 $\frac{7}{8}$     | 39 $\frac{7}{8}$ | 42 $\frac{3}{16}$ |
|                                                                                   | 36                   | 36                  | Prefix(t)-36-(*)-CS36 | 37 $\frac{7}{8}$     | 39 $\frac{7}{8}$ | 42 $\frac{3}{16}$ |

(t) Insert side rail height. (\*) Insert bottom style to complete cat. no.  
Includes 1 pair of splice plates with hardware.

#### Selection guide

- Prefix: ALUF (aluminum), SPUF (pregalv.), SHUF (hot-dip galv.), SSUF (stainless steel)
- Inside tray widths: 06, 09, 12, 18, 24, 30, 36 in.
- Nominal radius: 12, 24, 36 in.
- Bottom styles: V– ventilated, S– solid
- Side rail height: 2, 3, 6 in.

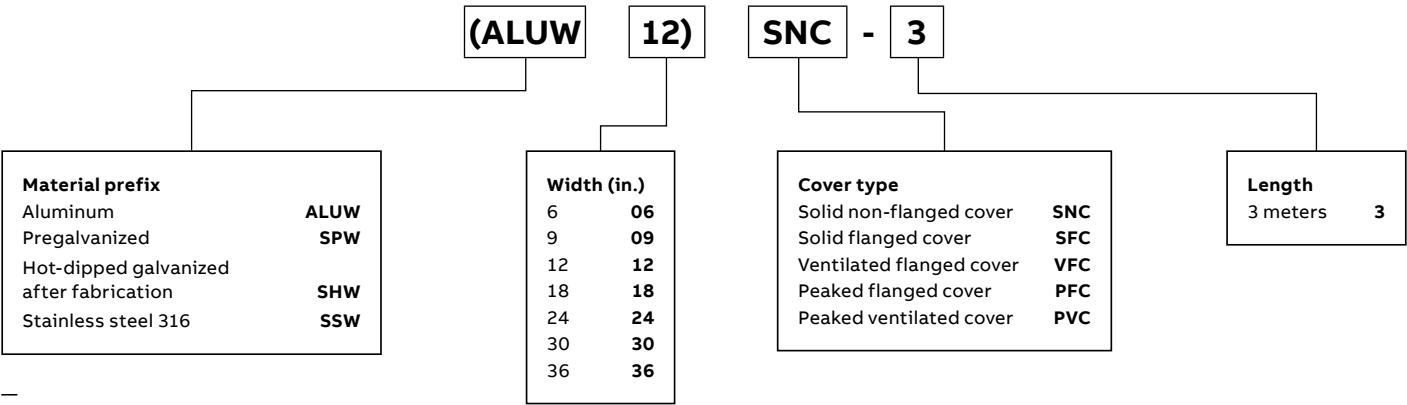
#### Part numbering system



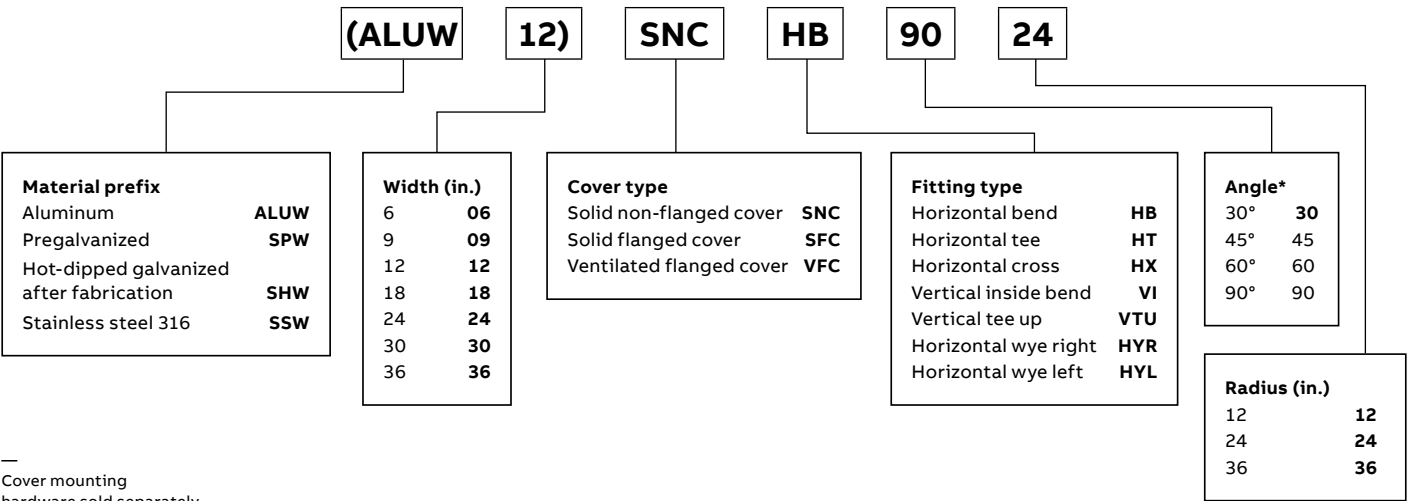
One-piece tray covers

Straight and fitting covers

Straight cover number selection



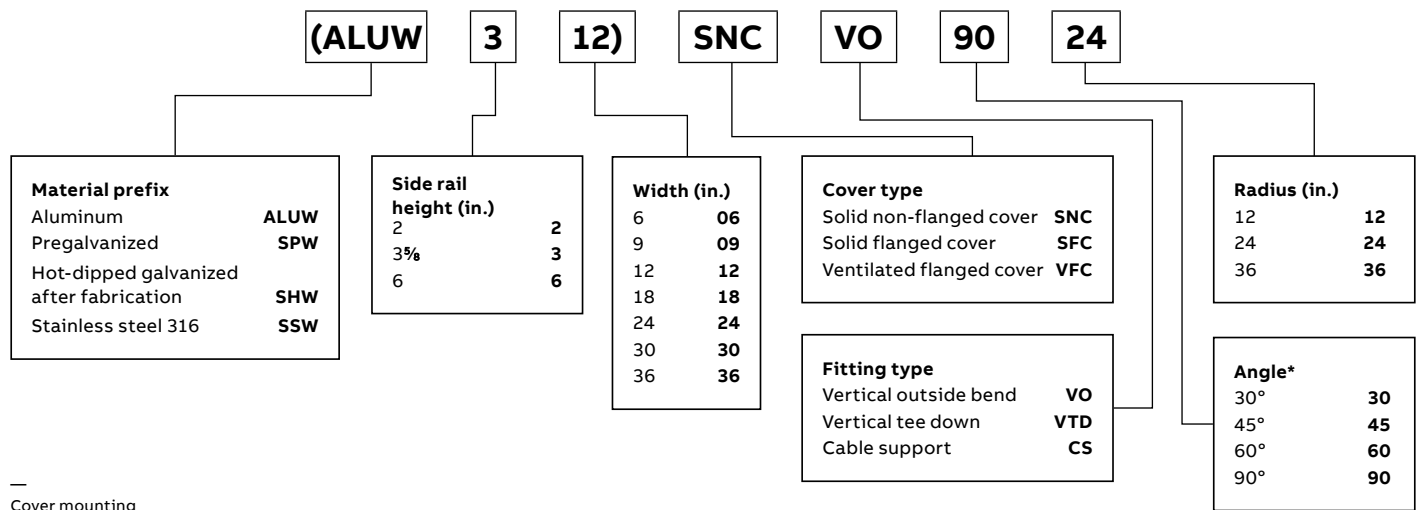
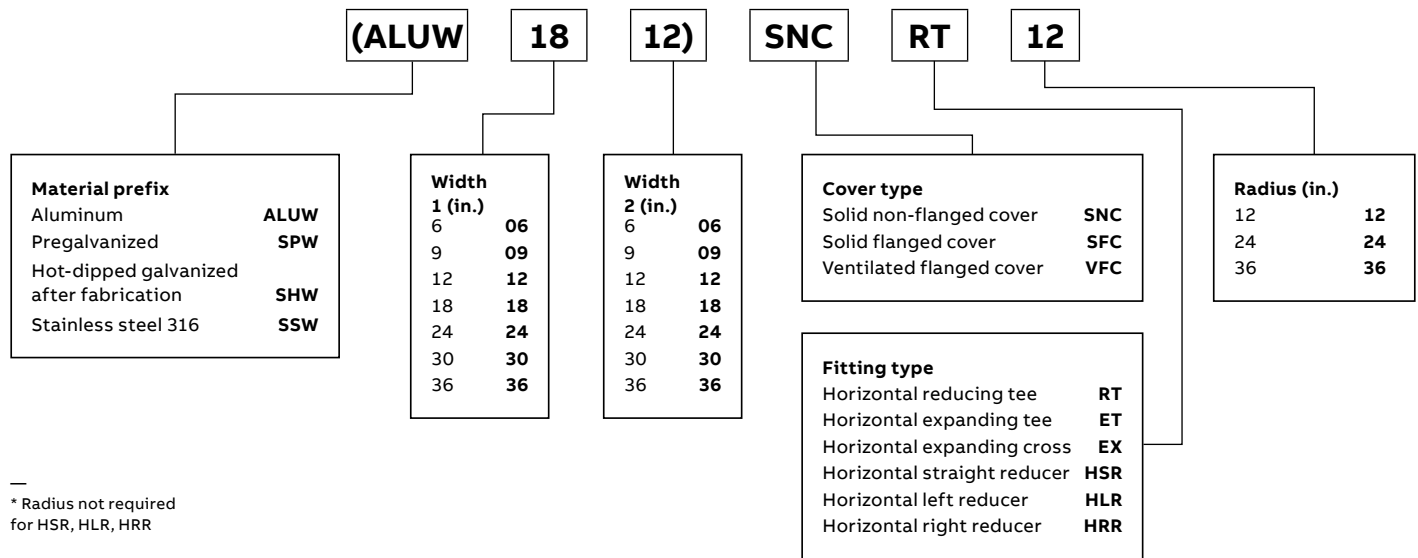
Fitting cover number selection



## One-piece tray covers

### Fitting covers

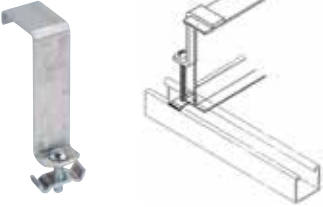
#### Fitting cover number selection (continued)



One-piece tray covers

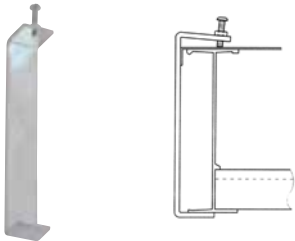
Accessories for covers

Hold-down clamp

|                                                                                   |  | Cat. no.       | Material prefix  | Side rail height (in.) |
|-----------------------------------------------------------------------------------|--|----------------|------------------|------------------------|
|  |  | (Prefix)-2-HDC | SPUW, SSUW, SHUW | 2                      |
|                                                                                   |  | (Prefix)-3-HDC | SPUW, SSUW, SHUW | 3                      |
|                                                                                   |  | (Prefix)-6-HDC | SPUW, SSUW, SHUW | 6                      |

Designed to secure cable tray to support system.

Cover clamp

|                                                                                    |  | Cat. no.       | Material prefix | Side rail height (in.) |
|------------------------------------------------------------------------------------|--|----------------|-----------------|------------------------|
|  |  | (Prefix)-2-SCC | SPUW, SSUW      | 2                      |
|                                                                                    |  | (Prefix)-3-SCC | SPW, SSW        | 3                      |
|                                                                                    |  | (Prefix)-6-SCC | SPW, SSW        | 6                      |

Rigid cover clamp for flat and flanged covers.

Selection guide

• Tray widths: 06, 09, 12, 18, 24, 30, 36 in.

Heavy-duty cover clamp

|                                                                                     |  | Cat. no.          | Material prefix        | Side rail height (in.) | Tray width (in.) |
|-------------------------------------------------------------------------------------|--|-------------------|------------------------|------------------------|------------------|
|  |  | (Prefix)-2-**-HCC | ALUW, SPUW, SSUW, SHUW | 2                      | 06 to 36         |
|                                                                                     |  | (Prefix)-3-**-HCC | ALUW , SPW, SHW, SSW   | 3                      | 06 to 36         |
|                                                                                     |  | (Prefix)-6-**-HCC | ALUW , SPW, SHW, SSW   | 6                      | 06 to 36         |

## One-piece tray splice plates

Standard, expansion splice plate and reducing splice



Standard splice plate

- Packaged in pairs with hardware
- Kit contents: 8 bolts, 8 serrated flange nuts 3/8 in. diameter
- Provided as standard with each straight and/or fitting

| Cat. no.       | Material prefix        | Side rail height (in.) |
|----------------|------------------------|------------------------|
| (Prefix)-2-SSP | ALUW, SPUW, SSUW, SHUW | 2                      |
| (Prefix)-3-SSP | ALUW, SPW, SSW, SHW    | 3                      |
| (Prefix)-6-SSP | ALUW, SPW, SSW, SHW    | 6                      |



Expansion splice plate

- Allows for a 1 in. expansion or contraction of tray system
- Packaged in pairs with hardware
- Kit contents: 8 bolts, 4 stop nuts, 4 serrated flange nuts 3/8 in. diameter

| Cat. no.       | Material prefix        | Side rail height (in.) |
|----------------|------------------------|------------------------|
| (Prefix)-2-ESP | ALUW, SPUW, SSUW, SHUW | 2                      |
| (Prefix)-3-ESP | ALUW, SPW, SSW, SHW    | 3                      |
| (Prefix)-6-ESP | ALUW, SPW, SSW, SHW    | 6                      |



Reducing splice

- Used in pairs to provide a straight reduction or used with a standard splice plate for an offset reduction
- One per package with hardware
- Kit contents: 4 bolts, 4 nuts

|  | Cat. no.          | Material prefix        | Side rail height (in.) |
|--|-------------------|------------------------|------------------------|
|  | (Prefix)-2(*)-RSP | ALUW, SPUW, SSUW, SHUW | 2                      |
|  | (Prefix)-3(*)-RSP | ALUW, SPW, SSW, SHW    | 3                      |
|  | (Prefix)-6(*)-RSP | ALUW, SPW, SSW, SHW    | 6                      |
|  |                   |                        |                        |

\*Note: For offset reduction: Insert width to be reduced. For straight reduction: Insert 1/2 width to be reduced (2 required)  
Example: ALUW-603-RSP = 3 in. offset reducer

## One-piece tray barrier strips

Horizontal and vertical barriers strips, barrier clamp and splice strips



### Horizontal barrier strips

| Cat. no.          | Material prefix        | Height (in.) | Length |
|-------------------|------------------------|--------------|--------|
| (Prefix)-2-SB-3   | ALUW, SPUW, SHUW*,SSUW | 2            | 3 m    |
| (Prefix)-3-SB-3   | ALUW, SPUW, SHUW*,SSUW | 3            | 3 m    |
| (Prefix)-6-SB-3   | ALUW, SPUW, SHUW*,SSUW | 6            | 3 m    |
| (Prefix)-2-SBH-72 | ALUW, SPUW, SHUW*,SSUW | 2            | 72 in. |
| (Prefix)-3-SBH-72 | ALUW, SPUW, SHUW*,SSUW | 3            | 72 in. |
| (Prefix)-6-SBH-72 | ALUW, SPUW, SHUW*,SSUW | 6            | 72 in. |

NOTE: 72 in. barriers provided with 3 SPW10SCR, 3 m barriers provided with 6 SPW10SCR  
\*Available in 1500 mm only.

- Barrier strips provide a method of separating cables in tray and trough systems
- Easily installed using supplied hardware or barrier strip clamps (sold separately)
- 72 in. barriers are flexible for use with horizontal fittings



### Vertical barriers strips

| Inside bend cat. no.    | Outside bend cat. no. | Material prefix         | Height (in.) | Angle (°) | Radius (in.) |
|-------------------------|-----------------------|-------------------------|--------------|-----------|--------------|
| (Prefix)-2-VIB-(*)-(**) | Prefix-2-VOB-(*)-(**) | ALUW, SPUW, SHUW†, SSUW | 2 to 6       | 30 to 90  | 12 to 36     |
| (Prefix)-3-VIB-(*)-(**) | Prefix-3-VOB-(*)-(**) | ALUW, SPUW, SHUW†, SSUW | 2 to 6       | 30 to 90  | 12 to 36     |
| (Prefix)-6-VIB-(*)-(**) | Prefix-6-VOB-(*)-(**) | ALUW, SPUW, SHUW†, SSUW | 2 to 6       | 30 to 90  | 12 to 36     |
|                         |                       | ALUW, SPUW, SHUW†, SSUW | 2 to 6       | 30 to 90  | 12 to 36     |

(\*) Insert angle (\*\*) Insert radius. †Available in 1500 mm only.

- Preformed to fit all standard steel vertical bends.
- Provided with hardware
- Height 2, 3, 6 in.
- Angle 30, 45, 60, 90°
- Radius 12, 24, 36 in.

### Barrier strip clamp

|  | Cat. no. | Material            |
|-------------------------------------------------------------------------------------|----------|---------------------|
|                                                                                     | SPW-BSC  | Zinc-plated steel   |
|                                                                                     | SSW-BSC  | Stainless steel 316 |

- Barrier strip clamps mount barrier strips to ladder rungs and ventilated bottoms
- Complete mounting hardware supplied

### Barrier strip splice

|  | Cat. no. | Material prefix |
|-------------------------------------------------------------------------------------|----------|-----------------|
|                                                                                     | ABW-BSS  | SPW             |
|                                                                                     |          | SPW             |

Alignment splice for joining connecting barrier strips.

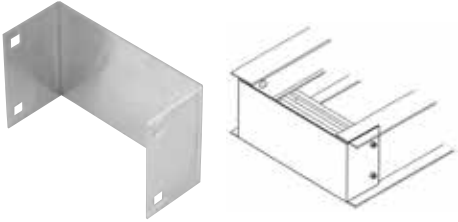


One-piece tray accessories

Closure end plate and drop out

Closure end plate

• Tray width: 06, 09, 12, 18, 24, 30, 36 in.

|  | Cat. no.          | Material prefix        | Side rail height (in.) | Tray width (in.) |
|-----------------------------------------------------------------------------------|-------------------|------------------------|------------------------|------------------|
|                                                                                   | (Prefix)-2-**-CEP | ALUW, SPUW, SHUW, SSUW | 2                      | 06 to 36         |
|                                                                                   | (Prefix)-3-**-CEP | ALUW, SPW, SSW, SHW    | 3                      | 06 or 36         |
|                                                                                   | (Prefix)-6-**-CEP | ALUW, SPW, SSW, SHW    | 6                      | 06 or 36         |

Provides closure for any tray end. Hardware included.  
\*\* Insert tray width

- Designed to provide a smooth radius surface at any position on the tray or trough bottom
- Drop outs are easily attached using hardware provided
- Standard radius = 4 in.
- Width : 06, 09, 12, 18, 24, 30, 36 in.

Drop out

|  | Cat. no.        | Material prefix     | Width (in.) |
|-------------------------------------------------------------------------------------|-----------------|---------------------|-------------|
|                                                                                     | (Prefix)-**-DOS | ALUW, SPW, SHW, SSW | 06 to 36    |

\*\* Insert tray width

One-piece tray accessories

Steel tray hardware, horizontal and vertical adjustable plates

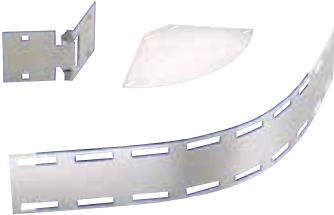
Steel tray hardware

|                                                                                   | Cat. no.     | Material          | Description                      |
|-----------------------------------------------------------------------------------|--------------|-------------------|----------------------------------|
|  | SPW-1/4-CB   | Zinc-plated steel | ¼ in. carriage bolt              |
|                                                                                   | SPW-3/8-CB   | Zinc-plated steel | ¾ in. carriage bolt              |
|                                                                                   | SPW-1/4-HN   | Zinc-plated steel | ¼ in. serrated flange nuts       |
|                                                                                   | SPW-3/8-HN   | Zinc-plated steel | ¾ in. serrated flange nuts       |
|                                                                                   | SSW-3/8-CB   | 316 stainless     | ¾ in. carriage bolt              |
|                                                                                   | SSW-3/8-HN   | 316 stainless     | ¾ in. hex. nut                   |
|                                                                                   | SSW-3/8-HWK* | 316 stainless     | 316 stainless steel hardware kit |
|                                                                                   |              |                   |                                  |

Square shoulder self-positioning carriage bolt.  
\* Hardware kit: Contains 8 serrated flange nuts, 8 bolts.

- Adjustable hinge plates provide maximum horizontal installation flexibility.
- Furnished as a kit with hardware.
- Tray widths : 06, 09, 12, 18, 24, 30, 36 in.

Flexible coupler

|                                                                                     | Cat. no.             | Material prefix        | Side rail height (in.) | Tray width (in.) |
|-------------------------------------------------------------------------------------|----------------------|------------------------|------------------------|------------------|
|  | (Prefix)-(*)(**)-HAP | ALUW, SPUW, SSUW, SHUW | 2, 3, 6                | 06 to 36         |
|                                                                                     |                      |                        |                        |                  |

(\*) Insert side rail height  
(\*\*) Insert tray width

- Adjustable hinge plates provide maximum horizontal installation flexibility for elevation changes
- Furnished as a kit with hardware
- Tray widths : 06, 09, 12, 18, 24, 30, 36 in.

Vertical adjustable plate

|                                                                                     | Cat. no.         | Material prefix        | Side rail height (in.) | Tray width (in.) |
|-------------------------------------------------------------------------------------|------------------|------------------------|------------------------|------------------|
|  | (Prefix)-*-*-VSP | ALUW, SPUW, SSUW, SHUW | 2, 3, 6                | 06 to 36         |
|                                                                                     |                  |                        |                        |                  |

\*Insert side rail height  
\*\*Insert width

## One-piece tray covers accessories

### Horizontal tee branch and box-to-tray plates

- Designed to secure tray to electrical panels or boxes, walls or end supports
- Packaged in pairs with hardware
- Tray widths : 06, 09, 12, 18, 24, 30, 36 in.

#### Horizontal tee branch

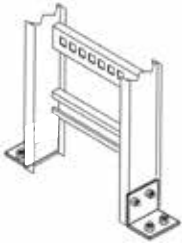
|                                                                                   | Cat. no.              | Material prefix        | Side rail height (in.) | Tray width (in.) |
|-----------------------------------------------------------------------------------|-----------------------|------------------------|------------------------|------------------|
|  | (Prefix)-(*)-(**)-HTB | ALUW, SPUW, SSUW, SHUW | 2, 3, 6                | 06 to 36         |

(\*) Insert side rail height  
(\*\*) Insert width



- Designed to secure tray to electrical panels or boxes, walls or end supports
- Packaged in pairs with hardware

#### Box-to-tray plates

|                                                                                     | Cat. no.       | Material prefix        | Side rail height (in.) |
|-------------------------------------------------------------------------------------|----------------|------------------------|------------------------|
|  | (Prefix)-2-BSP | ALUW, SPUW, SSUW, SHUW | 2                      |
|                                                                                     | (Prefix)-3-BSP | ALUW, SPW, SSW, SHW    | 3                      |
|                                                                                     | (Prefix)-6-BSP | ALUW, SPW, SSW, SHW    | 6                      |

# Channel tray

## Selection guide

—  
01 Solid channel

—  
02 Ventilated channel

**To ensure that your channel tray installation will meet your present and future needs, a sequence of decisions must be made. These decisions are relatively simple and can be condensed down to four steps.**

### 1. Material choice

#### Materials

- Aluminum
- Pregalvanized steel
- Hot-dipped galvanized steel
- Stainless steel
- Coatings
- Other

T&B channel tray systems are fabricated from a corrosion-resistant metal (low-carbon steel, stainless steel or an aluminum alloy) or from a metal with a corrosion-resistant finish (zinc or epoxy). The choice of material for any particular installation depends on the installation environment (corrosion and electrical considerations) and cost. Please refer to the technical section (pages A8 to A29) for further explanation.

### 2. Type of tray bottom

#### Bottom type

- Ventilated
- Solid

#### Cable channel

- T&B offers cable channel in solid or ventilated straight sections.
- Ventilated channel has burr-free oblong punched holes for easy access.
- Ty-Rap cable tie slots are provided between each opening for securing of cable.
- T&B channel tray meets NEMA VE-1/CSA C22.22.

### 3. T&B channel tray width

#### Widths

- 1.5 in.
- 3 in.
- 4 in.
- 6 in.

The width of a channel tray is a function of the number, size, spacing and weight of the cables in the tray. Available nominal widths are 1.5, 3, 4 and 6 inches.

When specifying width, cable ties or other spacing devices may be used to maintain the required air space between cables.



—  
01



—  
02

#### 4. Fittings selection

##### Fittings type

- Horizontal bends (90°, 60°, 45° and 30°)
- Horizontal tees and crosses
- Vertical bends (90°, 60°, 45° and 30°)

Fittings are used to change the size or direction of the channel tray. The most important decision to be made in fitting design concerns radius. The radius of the bend, whether horizontal or vertical, can be zero (non-radius), 12 in., 24 in. or greater on a custom basis. The selection requires a compromise with the considerations being available space, minimum bending radius of cables, ease of cable pulling and cost. The typical radius is 24 inches.

Fittings are also available for 30°, 45°, 60° and 90° angles. When a standard angle will not work, adjustable elbows can be used. It may be necessary to add supports to the tray at these points.

Refer to CSA/NEMA VE2 installation guidelines for suggested support locations.

#### Straight section number selection

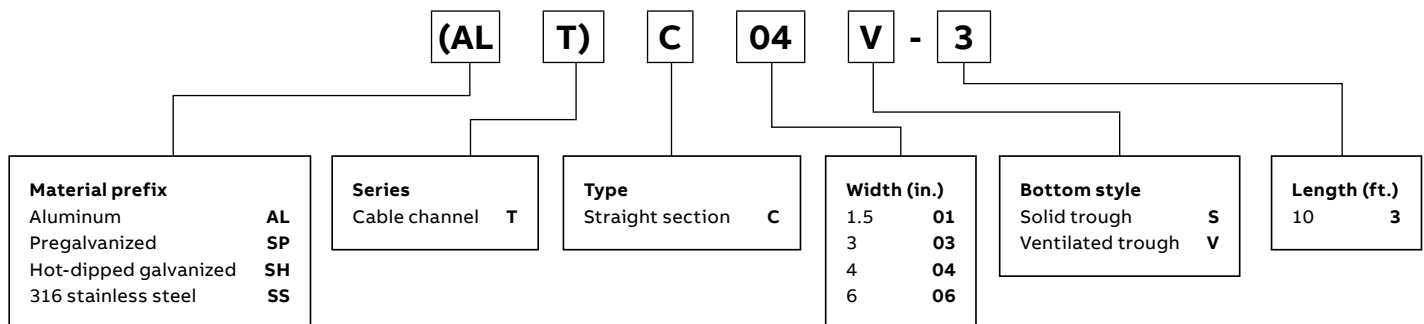
##### How to create straight section part numbers

1. Select the material
2. Select nominal width of tray
3. Select the bottom type
4. The last number is the length of the channel tray

##### Example:

ALTC04V-3

- Aluminum
- 4 in. wide
- Ventilated bottom
- 10 ft. length



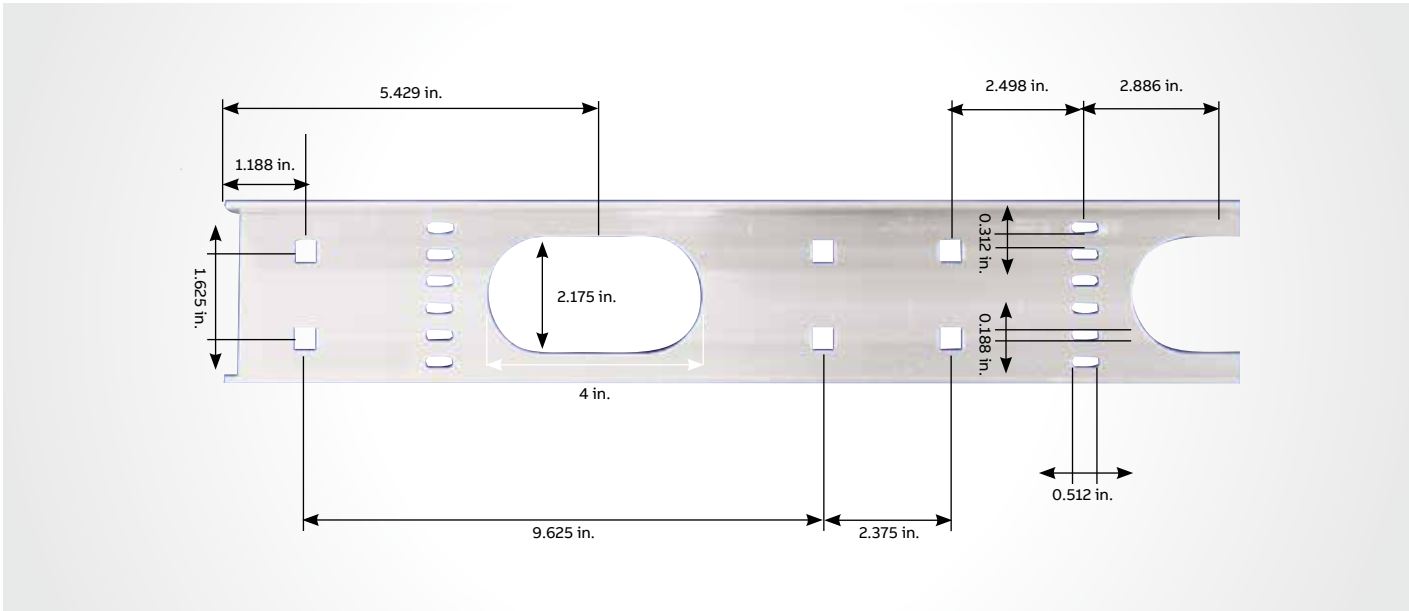
# Channel tray straight lengths

Straight lengths – Solid and ventilated

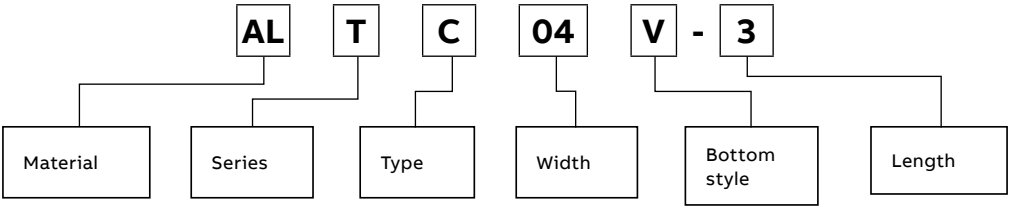
01 Bottom view of ventilated channel tray larger than 1.5 in. wide

- Selection guide**
- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dipped galv.), SST (stainless steel)
  - Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.
  - Bottom styles: V– ventilated, S– solid

01



## Part numbering system



---

## Channel tray straight lengths

Straight lengths selection guide – Solid and ventilated

—  
01 Vented style offered  
in 1.5 in. wide only

—  
02 Vented style offered in  
3 in., 4 in., 6 in. wide only

—  
03 Solid offered  
in all widths



—  
01



—  
02

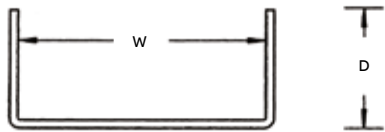


—  
03

Channel tray straight lengths

Aluminum straight lengths – Solid and ventilated

Aluminum



- Solid: Aluminum – extruded material
- Ventilated: Pre-punched burr-free oblong holes with Ty-Rap slots between each opening
- Accessories: One connector complete with hardware supplied with each length
- Material: Aluminum-6063-T6

Aluminum solid straight lengths

| Aluminum solid | Channel width (W) (in.) | Depth (D) (in.) | Support span (feet) |       |       |       |       |       |
|----------------|-------------------------|-----------------|---------------------|-------|-------|-------|-------|-------|
|                |                         |                 |                     | 2     | 4     | 6     | 8     | 10    |
| ALTC           | 1.5                     | ¾               | Load (lb/ft.)       | 47.5  | 11.9  | 5.4   | 3.0   | 1.9   |
|                | 1.5                     | ¾               | Deflection (in.)    | 0.170 | 0.680 | 0.745 | 1.325 | 2.070 |
|                | 3                       | 1⅝              | Load (lb/ft.)       | 362.5 | 90.6  | 40.3  | 22.7  | 17.0  |
|                | 3                       | 1⅝              | Deflection (in.)    | 0.083 | 0.330 | 0.743 | 1.322 | 2.065 |
|                | 4                       | 1⅝              | Load (lb/ft.)       | 580.0 | 145.0 | 64.4  | 36.3  | 24.0  |
|                | 4                       | 1⅝              | Deflection (in.)    | 0.065 | 0.260 | 0.585 | 1.041 | 1.626 |
|                | 6                       | 1¾              | Load (lb/ft.)       | 607.5 | 151.9 | 67.5  | 38.0  | 25.0  |
|                | 6                       | 1¾              | Deflection (in.)    | 0.061 | 0.244 | 0.550 | 0.977 | 1.527 |

Aluminum ventilated straight lengths

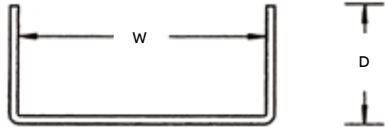
| Aluminum ventilated | Channel width (W) (in.) | Depth (D) (in.) | Support span (feet) |       |       |       |       |       |
|---------------------|-------------------------|-----------------|---------------------|-------|-------|-------|-------|-------|
|                     |                         |                 |                     | 2     | 4     | 6     | 8     | 10    |
| ALTC                | 1.5                     | ¾               | Load (lb/ft.)       | 47.5  | 11.9  | 5.4   | 3.0   | 1.9   |
|                     | 1.5                     | ¾               | Deflection (in.)    | 0.170 | 0.680 | 0.745 | 1.325 | 2.070 |
|                     | 3                       | 1⅝              | Load (lb/ft.)       | 300.0 | 75.0  | 33.3  | 18.8  | 14.0  |
|                     | 3                       | 1⅝              | Deflection (in.)    | 0.100 | 0.400 | 0.900 | 1.600 | 2.500 |
|                     | 4                       | 1⅝              | Load (lb/ft.)       | 525.0 | 131.3 | 58.3  | 32.8  | 19.0  |
|                     | 4                       | 1⅝              | Deflection (in.)    | 0.074 | 0.295 | 0.664 | 1.181 | 1.846 |
|                     | 6                       | 1¾              | Load (lb/ft.)       | 580.0 | 145.0 | 64.4  | 36.3  | 21.0  |
|                     | 6                       | 1¾              | Deflection (in.)    | 0.065 | 0.261 | 0.587 | 1.044 | 1.631 |



Channel tray straight lengths

Steel straight lengths – Solid and ventilated

Steel



- Solid: Steel – roll-formed steel
- Ventilated: Pre-punched burr-free oblong holes with Ty-Rap slots between each opening
- Accessories: One connector complete with hardware supplied with each length
- Material: Pregalvanized, hot-dipped galvanized, 316 stainless steel

Steel solid straight lengths

| Steel solid          | Channel width (W) (in.) | Depth (D) (in.) | Support span (feet) |       |       |       |       |       |
|----------------------|-------------------------|-----------------|---------------------|-------|-------|-------|-------|-------|
|                      |                         |                 |                     | 2     | 4     | 6     | 8     | 10    |
| SPTC<br>SHTC<br>SSTC | 1.5                     | ¾               | Load (lb/ft.)       | 97.5  | 24.4  | 10.8  | 6.1   | 3.9   |
|                      | 1.5                     | ¾               | Deflection (in.)    | 0.045 | 0.181 | 0.408 | 0.725 | 1.133 |
|                      | 3                       | 1⅝              | Load (lb/ft.)       | 252.0 | 63.0  | 28.0  | 15.8  | 17.0  |
|                      | 3                       | 1⅝              | Deflection (in.)    | 0.034 | 0.134 | 0.302 | 0.538 | 0.840 |
|                      | 4                       | 1⅝              | Load (lb/ft.)       | 408.0 | 102.0 | 45.3  | 25.5  | 24.0  |
|                      | 4                       | 1⅝              | Deflection (in.)    | 0.026 | 0.105 | 0.237 | 0.421 | 0.658 |
|                      | 6                       | 1¾              | Load (lb/ft.)       | 432.0 | 108.0 | 48.0  | 27.0  | 25.0  |
|                      | 6                       | 1¾              | Deflection (in.)    | 0.024 | 0.096 | 0.217 | 0.386 | 0.603 |

Steel ventilated straight lengths

| Steel ventilated     | Channel width (W) (in.) | Depth (D) (in.) | Support span (feet) |       |       |       |       |       |
|----------------------|-------------------------|-----------------|---------------------|-------|-------|-------|-------|-------|
|                      |                         |                 |                     | 2     | 4     | 6     | 8     | 10    |
| SPTC<br>SHTC<br>SSTC | 1.5                     | ¾               | Load (lb/ft.)       | 97.5  | 24.4  | 10.8  | 6.1   | 3.9   |
|                      | 1.5                     | ¾               | Deflection (in.)    | 0.045 | 0.181 | 0.408 | 0.725 | 1.133 |
|                      | 3                       | 1⅝              | Load (lb/ft.)       | 207.0 | 51.8  | 23.0  | 12.9  | 14.0  |
|                      | 3                       | 1⅝              | Deflection (in.)    | 0.041 | 0.163 | 0.366 | 0.652 | 1.018 |
|                      | 4                       | 1⅝              | Load (lb/ft.)       | 363.0 | 90.8  | 40.3  | 22.7  | 19.0  |
|                      | 4                       | 1⅝              | Deflection (in.)    | 0.030 | 0.119 | 0.269 | 0.477 | 0.746 |
|                      | 6                       | 1¾              | Load (lb/ft.)       | 405.0 | 101.3 | 45.0  | 25.3  | 21.0  |
|                      | 6                       | 1¾              | Deflection (in.)    | 0.027 | 0.106 | 0.239 | 0.425 | 0.664 |

---

# Channel tray

## Fittings

- 01 Horizontal cross
- 02 90° Horizontal bend



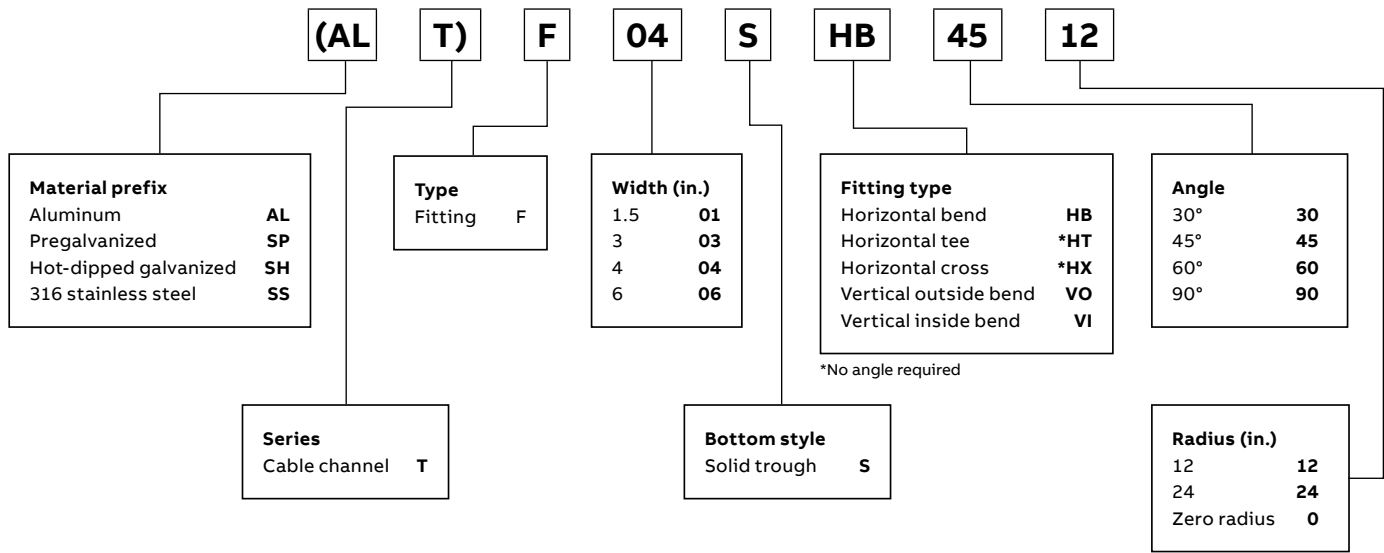
Fittings number selection

How to create fitting part numbers

- 1. Select fitting material
- 2. Select nominal width of fitting
- 3. Select type of fitting
- 4. Select degree of angle if required
- 5. Select radius

**Example:**  
ALTF04SHB4512

- Aluminum
- 4 in. wide
- Horizontal bend
- 45° degree
- 12 in. radius

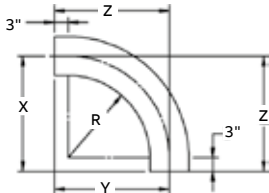


Channel tray fittings

90° Horizontal bend fittings

90° Horizontal bend



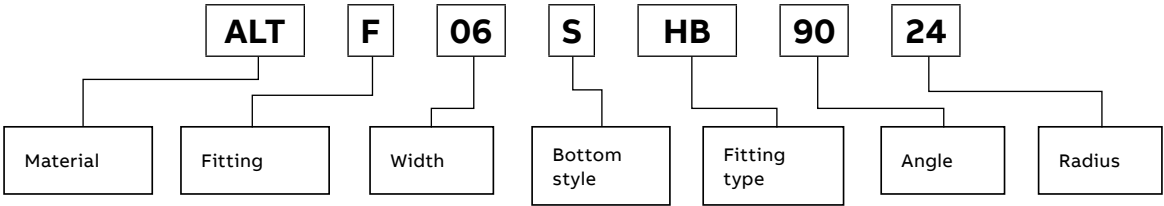
|                                                                                                                                                                         | Radius<br>R (in.) | Width<br>W (in.) | Cat. no.*               | Dimensions (in.) |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|-------------------------|------------------|-----|
|                                                                                                                                                                         |                   |                  |                         | X                | Y   |
| <br> | 12                | 1.5              | (Prefix)-F 01-S-HB90-12 | 15¾              | 15¾ |
|                                                                                                                                                                         | 12                | 3                | (Prefix)-F 03-S-HB90-12 | 16½              | 16½ |
|                                                                                                                                                                         | 12                | 4                | (Prefix)-F 04-S-HB90-12 | 17               | 17  |
|                                                                                                                                                                         | 12                | 6                | (Prefix)-F 06-S-HB90-12 | 18               | 18  |
|                                                                                                                                                                         | 24                | 1.5              | (Prefix)-F 01-S-HB90-24 | 27¾              | 27¾ |
|                                                                                                                                                                         | 24                | 3                | (Prefix)-F 03-S-HB90-24 | 28½              | 28½ |
|                                                                                                                                                                         | 24                | 4                | (Prefix)-F 04-S-HB90-24 | 29               | 29  |
|                                                                                                                                                                         | 24                | 6                | (Prefix)-F 06-S-HB90-24 | 30               | 30  |

\*Specify prefixes ALT, SPT, SHT or SST

Selection guide

- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dip galv.), SST (stainless steel)
- Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.
- Bottom style: S– solid

Part numbering system

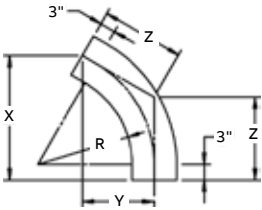


## Channel tray fittings

### 60° Horizontal bend fittings

#### 60° Horizontal bend



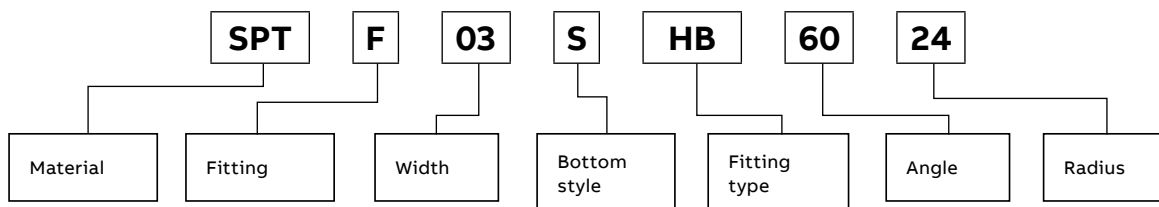
|                                                                                                                                                                      | Radius<br>R (in.) | Width<br>W (in.) | Cat. no.                | Dimensions (in.) |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|-------------------------|------------------|-----|-----|
|                                                                                                                                                                      |                   |                  |                         | X                | Y   | Z   |
|   | 12                | 1.5              | (Prefix)-F 01-S-HB60-12 | 15½              | 9   | 10¼ |
|                                                                                                                                                                      | 12                | 3                | (Prefix)-F 03-S-HB60-12 | 16⅞              | 9⅞  | 10⅜ |
|                                                                                                                                                                      | 12                | 4                | (Prefix)-F 04-S-HB60-12 | 16⅞              | 9⅞  | 11¼ |
|                                                                                                                                                                      | 12                | 6                | (Prefix)-F 06-S-HB60-12 | 17½              | 10⅞ | 11⅜ |
|                                                                                                                                                                      | 24                | 1.5              | (Prefix)-F 01-S-HB60-24 | 26               | 15  | 17¼ |
|                                                                                                                                                                      | 24                | 3                | (Prefix)-F 03-S-HB60-24 | 26⅞              | 15⅞ | 17¾ |
|                                                                                                                                                                      | 24                | 4                | (Prefix)-F 04-S-HB60-24 | 27               | 15⅞ | 18  |
|                                                                                                                                                                      | 24                | 6                | (Prefix)-F 06-S-HB60-24 | 27⅞              | 16⅞ | 18⅞ |

\*Specify prefixes ALT, SPT, SHT or SST

#### Selection guide

- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dip galv.), SST (stainless steel)
- Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.
- Bottom style: S— solid

#### Part numbering system

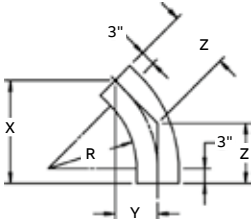


Channel tray fittings

45° Horizontal bend fittings

45° Horizontal bend



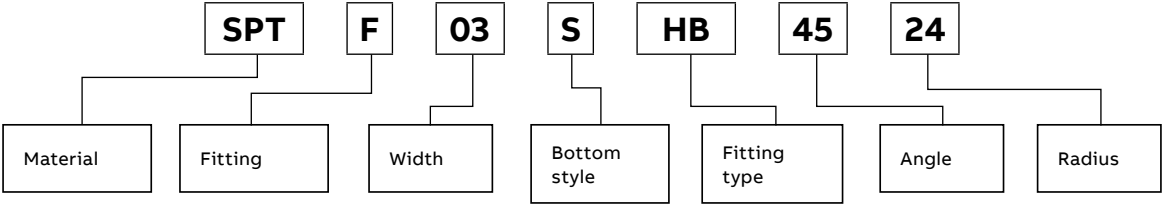
|                                                                                                                                                                         | Radius<br>R (in.) | Width<br>W (in.) | Cat. no.                | Dimensions (in.)                 |                                |                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|-------------------------|----------------------------------|--------------------------------|---------------------------------|
|                                                                                                                                                                         |                   |                  |                         | X                                | Y                              | Z                               |
| <br> | 12                | 1.5              | (Prefix)-F 01-S-HB45-12 | 14 <sup>1</sup> / <sub>8</sub>   | 5 <sup>7</sup> / <sub>8</sub>  | 8 <sup>1</sup> / <sub>4</sub>   |
|                                                                                                                                                                         | 12                | 3                | (Prefix)-F 03-S-HB45-12 | 14 <sup>11</sup> / <sub>16</sub> | 6 <sup>1</sup> / <sub>16</sub> | 8 <sup>9</sup> / <sub>16</sub>  |
|                                                                                                                                                                         | 12                | 4                | (Prefix)-F 04-S-HB45-12 | 15                               | 6 <sup>1</sup> / <sub>4</sub>  | 8 <sup>13</sup> / <sub>16</sub> |
|                                                                                                                                                                         | 12                | 6                | (Prefix)-F 06-S-HB45-12 | 15 <sup>3</sup> / <sub>4</sub>   | 6 <sup>1</sup> / <sub>2</sub>  | 9 <sup>3</sup> / <sub>16</sub>  |
|                                                                                                                                                                         | 24                | 1.5              | (Prefix)-F 01-S-HB45-24 | 22 <sup>5</sup> / <sub>8</sub>   | 9 <sup>3</sup> / <sub>8</sub>  | 13 <sup>1</sup> / <sub>4</sub>  |
|                                                                                                                                                                         | 24                | 3                | (Prefix)-F 03-S-HB45-24 | 23 <sup>5</sup> / <sub>8</sub>   | 9 <sup>9</sup> / <sub>16</sub> | 13 <sup>9</sup> / <sub>16</sub> |
|                                                                                                                                                                         | 24                | 4                | (Prefix)-F 04-S-HB45-24 | 23 <sup>3</sup> / <sub>2</sub>   | 9 <sup>3</sup> / <sub>4</sub>  | 13 <sup>3</sup> / <sub>4</sub>  |
|                                                                                                                                                                         | 24                | 6                | (Prefix)-F 06-S-HB45-24 | 24 <sup>3</sup> / <sub>16</sub>  | 10                             | 14 <sup>3</sup> / <sub>16</sub> |

\*Specify prefixes ALT, SPT, SHT or SST

Selection guide

- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dip galv.), SST (stainless steel)
- Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.
- Bottom style: S– solid

Part numbering system

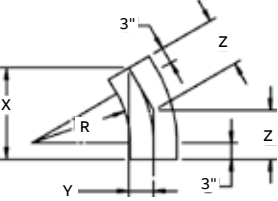


## Channel tray fittings

### 30° Horizontal bend fittings

#### 30° Horizontal bend



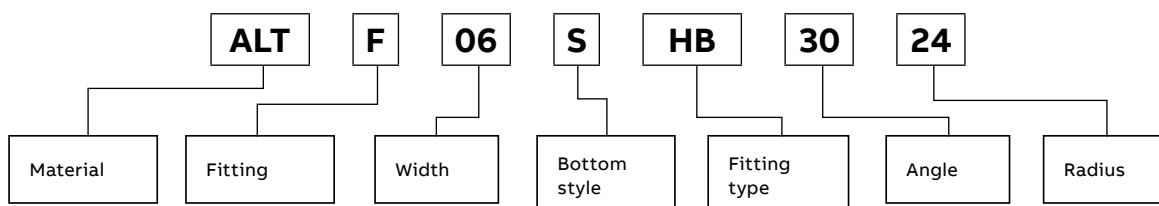
|                                                                                                                                                                         | Radius<br>R (in.) | Width<br>W (in.) | Cat. no.                | Dimensions (in.) |                   |                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|-------------------------|------------------|-------------------|-------------------|
|                                                                                                                                                                         |                   |                  |                         | X                | Y                 | Z                 |
| <br> | 12                | 1.5              | (Prefix)-F 01-S-HB30-12 | 12               | 3 $\frac{3}{4}$   | 6 $\frac{1}{2}$   |
|                                                                                                                                                                         | 12                | 3                | (Prefix)-F 03-S-HB30-12 | 12 $\frac{3}{8}$ | 3 $\frac{15}{16}$ | 6 $\frac{5}{8}$   |
|                                                                                                                                                                         | 12                | 4                | (Prefix)-F 04-S-HB30-12 | 12 $\frac{3}{8}$ | 3- $\frac{3}{8}$  | 6 $\frac{3}{4}$   |
|                                                                                                                                                                         | 12                | 6                | (Prefix)-F 06-S-HB30-12 | 13 $\frac{1}{8}$ | 3 $\frac{1}{2}$   | 7                 |
|                                                                                                                                                                         | 24                | 1.5              | (Prefix)-F 01-S-HB30-24 | 18               | 4 $\frac{3}{4}$   | 9 $\frac{5}{8}$   |
|                                                                                                                                                                         | 24                | 3                | (Prefix)-F 03-S-HB30-24 | 18 $\frac{3}{8}$ | 4 $\frac{15}{16}$ | 9 $\frac{13}{16}$ |
|                                                                                                                                                                         | 24                | 4                | (Prefix)-F 04-S-HB30-24 | 18 $\frac{3}{8}$ | 5                 | 9 $\frac{15}{16}$ |
|                                                                                                                                                                         | 24                | 6                | (Prefix)-F 06-S-HB30-24 | 19 $\frac{1}{8}$ | 5 $\frac{1}{8}$   | 10 $\frac{1}{4}$  |

\*Specify prefixes ALT, SPT, SHT or SST

#### Selection guide

- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dip galv.), SST (stainless steel)
- Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.
- Bottom style: S— solid

#### Part numbering system

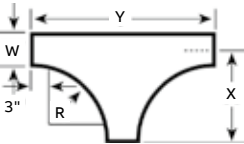


Channel tray fittings

Horizontal tee fittings

Horizontal tee



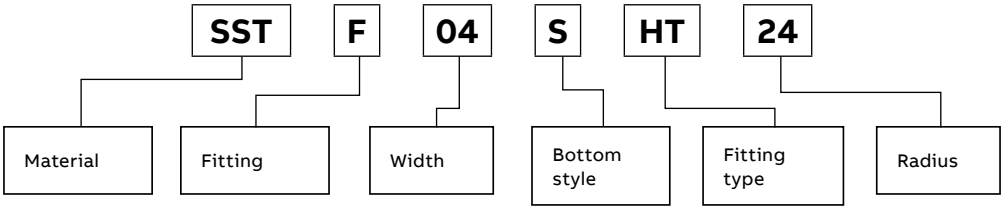
|                                                                                    | Radius<br>R (in.) | Width<br>W (in.) | Cat. no.              | Dimensions (in.) |     |
|------------------------------------------------------------------------------------|-------------------|------------------|-----------------------|------------------|-----|
|                                                                                    |                   |                  |                       | X                | Y   |
|   | 12                | 1.5              | (Prefix)-F 01-S-HT-12 | 15¾              | 31½ |
|                                                                                    | 12                | 3                | (Prefix)-F 03-S-HT-12 | 16½              | 33  |
|                                                                                    | 12                | 4                | (Prefix)-F 04-S-HT-12 | 17               | 34  |
|                                                                                    | 12                | 6                | (Prefix)-F 06-S-HT-12 | 18               | 36  |
|                                                                                    | 24                | 1.5              | (Prefix)-F 01-S-HT-24 | 27¾              | 55½ |
|                                                                                    | 24                | 3                | (Prefix)-F 03-S-HT-24 | 28½              | 57  |
|                                                                                    | 24                | 4                | (Prefix)-F 04-S-HT-24 | 29               | 58  |
|                                                                                    | 24                | 6                | (Prefix)-F 06-S-HT-24 | 30               | 60  |
|  |                   |                  |                       |                  |     |

\*Specify prefixes ALT, SPT, SHT or SST

Selection guide

- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dip galv.), SST (stainless steel)
- Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.
- Bottom style: S– solid

Part numbering system



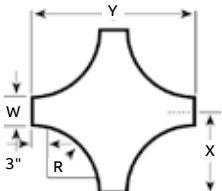


Channel tray fittings

Horizontal cross fittings

Horizontal cross

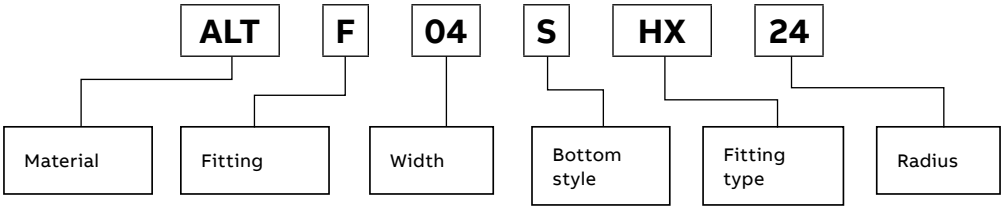


|                                                                                                                                                                         | Radius<br>R (in.) | Width<br>W (in.) | Cat. no.              | Dimensions (in.) |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------|-----------------------|------------------|-----|
|                                                                                                                                                                         |                   |                  |                       | X                | Y   |
| <br> | 12                | 1.5              | (Prefix)-F 01-S-HX-12 | 15¾              | 31½ |
|                                                                                                                                                                         | 12                | 3                | (Prefix)-F 03-S-HX-12 | 16½              | 33  |
|                                                                                                                                                                         | 12                | 4                | (Prefix)-F 04-S-HX-12 | 17               | 34  |
|                                                                                                                                                                         | 12                | 6                | (Prefix)-F 06-S-HX-12 | 18               | 36  |
|                                                                                                                                                                         | 24                | 1.5              | (Prefix)-F 01-S-HX-24 | 27¾              | 55½ |
|                                                                                                                                                                         | 24                | 3                | (Prefix)-F 03-S-HX-24 | 28½              | 57  |
|                                                                                                                                                                         | 24                | 4                | (Prefix)-F 04-S-HX-24 | 29               | 58  |
|                                                                                                                                                                         | 24                | 6                | (Prefix)-F 06-S-HX-24 | 30               | 60  |

\*Specify prefixes ALT, SPT, SHT or SST

- Selection guide
- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dip galv.), SST (stainless steel)
  - Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.
  - Bottom style: S– solid

Part numbering system



## Channel tray fittings

### 90° Vertical outside/inside bend fittings

#### 90° Vertical outside bend



|                                                                                   | Radius<br>R (in.) | Width<br>W (in.) | Cat. no.                | Dimensions (in.) |    |
|-----------------------------------------------------------------------------------|-------------------|------------------|-------------------------|------------------|----|
|                                                                                   |                   |                  |                         | X                | Y  |
|  | 12                | 1.5              | (Prefix)-F 01-S-VO90-12 | 15               | 15 |
|                                                                                   | 12                | 3                | (Prefix)-F 03-S-VO90-12 | 15               | 15 |
|                                                                                   | 12                | 4                | (Prefix)-F 04-S-VO90-12 | 15               | 15 |
|                                                                                   | 12                | 6                | (Prefix)-F 06-S-VO90-12 | 15               | 15 |
|                                                                                   | 24                | 1.5              | (Prefix)-F 01-S-VO90-24 | 15               | 15 |
|                                                                                   | 24                | 3                | (Prefix)-F 03-S-VO90-24 | 27               | 27 |
|                                                                                   | 24                | 4                | (Prefix)-F 04-S-VO90-24 | 27               | 27 |
|                                                                                   | 24                | 6                | (Prefix)-F 06-S-VO90-24 | 27               | 27 |

\*Specify prefixes ALT, SPT, SHT or SST

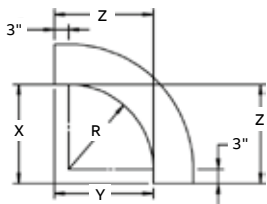
#### 90° Vertical inside bend



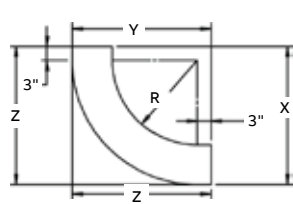
|                                                                                    | Radius<br>R (in.) | Width<br>W (in.) | Cat. no.                | Dimensions (in.) |     |
|------------------------------------------------------------------------------------|-------------------|------------------|-------------------------|------------------|-----|
|                                                                                    |                   |                  |                         | X                | Y   |
|  | 12                | 1.5              | (Prefix)-F 01-S-VI90-12 | 15¾              | 15¾ |
|                                                                                    | 12                | 3                | (Prefix)-F 03-S-VI90-12 | 16½              | 16½ |
|                                                                                    | 12                | 4                | (Prefix)-F 04-S-VI90-12 | 16⅞              | 16⅞ |
|                                                                                    | 12                | 6                | (Prefix)-F 06-S-VI90-12 | 16⅞              | 16⅞ |
|                                                                                    | 24                | 1.5              | (Prefix)-F 01-S-VI90-24 | 27¾              | 27¾ |
|                                                                                    | 24                | 3                | (Prefix)-F 03-S-VI90-24 | 28½              | 28½ |
|                                                                                    | 24                | 4                | (Prefix)-F 04-S-VI90-24 | 28⅞              | 28⅞ |
|                                                                                    | 24                | 6                | (Prefix)-F 06-S-VI90-24 | 28⅞              | 28⅞ |

\*Specify prefixes ALT, SPT, SHT or SST

#### 90° Outside bend



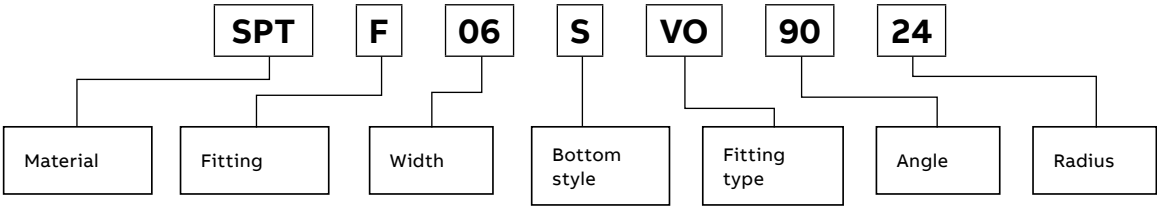
#### 90° Inside bend



#### Selection guide

- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dip galv.), SST (stainless steel)
- Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.
- Bottom style: S– solid

#### Part numbering system



## Channel tray fittings

### 60° Vertical outside/inside bend fittings

#### 60° Vertical outside bend



|                                                                                   | Radius<br>R (in.) | Width<br>W (in.) | Cat. no.                | Dimensions (in.) |                  |                  |
|-----------------------------------------------------------------------------------|-------------------|------------------|-------------------------|------------------|------------------|------------------|
|                                                                                   |                   |                  |                         | X                | Y                | Z                |
|  | 12                | 1.5              | (Prefix)-F 01-S-VO60-12 | 14 $\frac{1}{8}$ | 8 $\frac{5}{8}$  | 9 $\frac{7}{8}$  |
|                                                                                   | 12                | 3                | (Prefix)-F 03-S-VO60-12 | 14 $\frac{1}{8}$ | 8 $\frac{5}{8}$  | 9 $\frac{7}{8}$  |
|                                                                                   | 12                | 4                | (Prefix)-F 04-S-VO60-12 | 14 $\frac{1}{8}$ | 8 $\frac{5}{8}$  | 9 $\frac{7}{8}$  |
|                                                                                   | 12                | 6                | (Prefix)-F 06-S-VO60-12 | 14 $\frac{1}{8}$ | 8 $\frac{5}{8}$  | 9 $\frac{7}{8}$  |
|                                                                                   | 24                | 1.5              | (Prefix)-F 01-S-VO60-24 | 25 $\frac{3}{4}$ | 14 $\frac{5}{8}$ | 16 $\frac{7}{8}$ |
|                                                                                   | 24                | 3                | (Prefix)-F 03-S-VO60-24 | 25 $\frac{3}{4}$ | 14 $\frac{5}{8}$ | 16 $\frac{7}{8}$ |
|                                                                                   | 24                | 4                | (Prefix)-F 04-S-VO60-24 | 25 $\frac{3}{4}$ | 14 $\frac{5}{8}$ | 16 $\frac{7}{8}$ |
|                                                                                   | 24                | 6                | (Prefix)-F 06-S-VO60-24 | 25 $\frac{3}{4}$ | 14 $\frac{5}{8}$ | 16 $\frac{7}{8}$ |

\*Specify prefixes ALT, SPT, SHT or SST

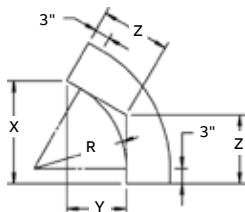
#### 60° Vertical inside bend



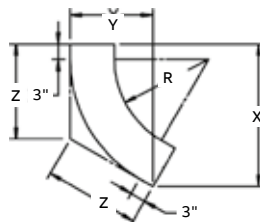
|                                                                                    | Radius<br>R (in.) | Width<br>W (in.) | Cat. no.                | Dimensions (in.) |                  |                  |
|------------------------------------------------------------------------------------|-------------------|------------------|-------------------------|------------------|------------------|------------------|
|                                                                                    |                   |                  |                         | X                | Y                | Z                |
|  | 12                | 1.5              | (Prefix)-F 01-S-VI60-12 | 15 $\frac{1}{2}$ | 9                | 10 $\frac{1}{4}$ |
|                                                                                    | 12                | 3                | (Prefix)-F 03-S-VI60-12 | 16 $\frac{1}{8}$ | 9 $\frac{3}{4}$  | 10 $\frac{3}{4}$ |
|                                                                                    | 12                | 4                | (Prefix)-F 04-S-VI60-12 | 16 $\frac{1}{4}$ | 9 $\frac{3}{8}$  | 10 $\frac{7}{8}$ |
|                                                                                    | 12                | 6                | (Prefix)-F 06-S-VI60-12 | 16 $\frac{3}{8}$ | 9 $\frac{1}{2}$  | 11               |
|                                                                                    | 24                | 1.5              | (Prefix)-F 01-S-VI60-24 | 26               | 15               | 17 $\frac{1}{4}$ |
|                                                                                    | 24                | 3                | (Prefix)-F 03-S-VI60-24 | 26 $\frac{1}{2}$ | 15 $\frac{1}{4}$ | 17 $\frac{3}{8}$ |
|                                                                                    | 24                | 4                | (Prefix)-F 04-S-VI60-24 | 26 $\frac{3}{4}$ | 15 $\frac{3}{8}$ | 17 $\frac{3}{4}$ |
|                                                                                    | 24                | 6                | (Prefix)-F 06-S-VI60-24 | 26 $\frac{7}{8}$ | 15 $\frac{1}{2}$ | 17 $\frac{7}{8}$ |

\*Specify prefixes ALT, SPT, SHT or SST

#### 60° Outside bend



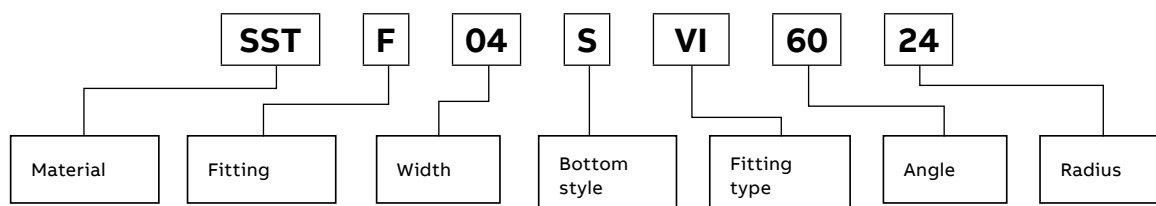
#### 60° Inside bend



#### Selection guide

- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dip galv.), SST (stainless steel)
- Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.
- Bottom style: S– solid

#### Part numbering system



## Channel tray fittings

### 45° Vertical outside/inside bend fittings

#### 45° Vertical outside bend



|                                                                                   | Radius<br>R (in.) | Width<br>W (in.) | Cat. no.                | Dimensions (in.) |                 |                  |
|-----------------------------------------------------------------------------------|-------------------|------------------|-------------------------|------------------|-----------------|------------------|
|                                                                                   |                   |                  |                         | X                | Y               | Z                |
|  | 12                | 1.5              | (Prefix)-F 01-S-VO45-12 | 13 $\frac{3}{8}$ | 5 $\frac{5}{8}$ | 8                |
|                                                                                   | 12                | 3                | (Prefix)-F 03-S-VO45-12 | 13 $\frac{3}{8}$ | 5 $\frac{5}{8}$ | 8                |
|                                                                                   | 12                | 4                | (Prefix)-F 04-S-VO45-12 | 13 $\frac{3}{8}$ | 5 $\frac{5}{8}$ | 8                |
|                                                                                   | 12                | 6                | (Prefix)-F 06-S-VO45-12 | 13 $\frac{3}{8}$ | 5 $\frac{5}{8}$ | 8                |
|                                                                                   | 24                | 1.5              | (Prefix)-F 01-S-VO45-24 | 22 $\frac{1}{2}$ | 9 $\frac{1}{2}$ | 12 $\frac{1}{2}$ |
|                                                                                   | 24                | 3                | (Prefix)-F 03-S-VO45-24 | 22 $\frac{1}{2}$ | 9 $\frac{1}{2}$ | 13               |
|                                                                                   | 24                | 4                | (Prefix)-F 04-S-VO45-24 | 11               | 11              | 13               |
|                                                                                   | 24                | 6                | (Prefix)-F 06-S-VO45-24 | 11               | 11              | 13               |

\*Specify prefixes ALT, SPT, SHT or SST

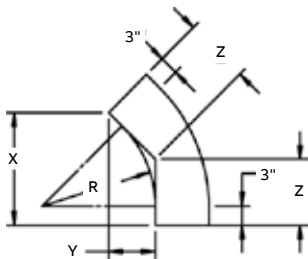
#### 45° Vertical inside bend



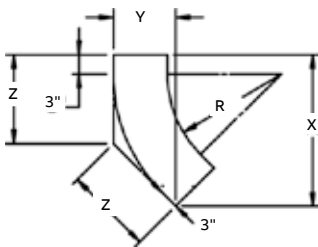
|                                                                                    | Radius<br>R (in.) | Width<br>W (in.) | Cat. no.                | Dimensions (in.) |                 |                  |
|------------------------------------------------------------------------------------|-------------------|------------------|-------------------------|------------------|-----------------|------------------|
|                                                                                    |                   |                  |                         | X                | Y               | Z                |
|  | 12                | 1.5              | (Prefix)-F 01-S-VI45-12 | 13 $\frac{3}{8}$ | 5 $\frac{5}{8}$ | 8                |
|                                                                                    | 12                | 3                | (Prefix)-F 03-S-VI45-12 | 13 $\frac{3}{8}$ | 5 $\frac{5}{8}$ | 8                |
|                                                                                    | 12                | 4                | (Prefix)-F 04-S-VI45-12 | 13 $\frac{3}{8}$ | 5 $\frac{5}{8}$ | 8                |
|                                                                                    | 12                | 6                | (Prefix)-F 06-S-VI45-12 | 13 $\frac{3}{8}$ | 5 $\frac{5}{8}$ | 8                |
|                                                                                    | 24                | 1.5              | (Prefix)-F 01-S-VI45-24 | 22 $\frac{1}{2}$ | 9 $\frac{1}{2}$ | 12 $\frac{1}{2}$ |
|                                                                                    | 24                | 3                | (Prefix)-F 03-S-VI45-24 | 22 $\frac{1}{2}$ | 9 $\frac{1}{2}$ | 13               |
|                                                                                    | 24                | 4                | (Prefix)-F 04-S-VI45-24 | 11               | 11              | 13               |
|                                                                                    | 24                | 6                | (Prefix)-F 06-S-VI45-24 | 11               | 11              | 13               |

\*Specify prefixes ALT, SPT, SHT or SST

#### 45° Outside bend



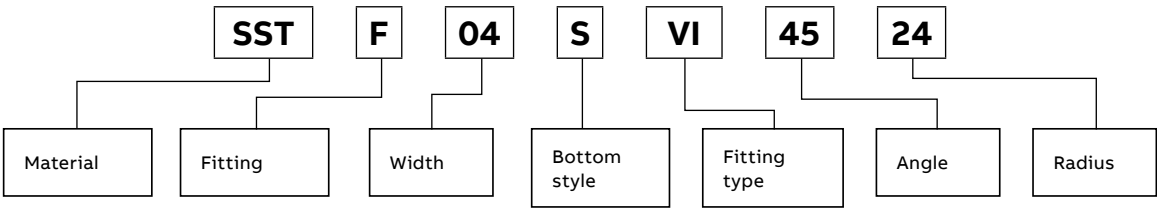
#### 45° Inside bend



#### Selection guide

- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dip galv.), SST (stainless steel)
- Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.
- Bottom style: S– solid

#### Part numbering system



## Channel tray fittings

### 30° Vertical outside/inside bend fittings

#### 30° Vertical outside bend

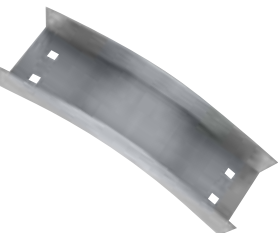


|                                                                                   | Radius<br>R (in.) | Width<br>W (in.) | Cat. no.                | Dimensions (in.) |                 |                 |
|-----------------------------------------------------------------------------------|-------------------|------------------|-------------------------|------------------|-----------------|-----------------|
|                                                                                   |                   |                  |                         | X                | Y               | Z               |
|  | 12                | 1.5              | (Prefix)-F 01-S-VO30-12 | 10 $\frac{3}{8}$ | 1 $\frac{1}{8}$ | 5 $\frac{1}{4}$ |
|                                                                                   | 12                | 3                | (Prefix)-F 03-S-VO30-12 | 11 $\frac{5}{8}$ | 3 $\frac{1}{8}$ | 6 $\frac{1}{8}$ |
|                                                                                   | 12                | 4                | (Prefix)-F 04-S-VO30-12 | 11 $\frac{5}{8}$ | 3 $\frac{3}{8}$ | 6 $\frac{1}{8}$ |
|                                                                                   | 12                | 6                | (Prefix)-F 06-S-VO30-12 | 11 $\frac{5}{8}$ | 3 $\frac{3}{8}$ | 6 $\frac{1}{8}$ |
|                                                                                   | 24                | 1.5              | (Prefix)-F 01-S-VO30-24 | 17 $\frac{7}{8}$ | 4 $\frac{3}{4}$ | 9 $\frac{1}{2}$ |
|                                                                                   | 24                | 3                | (Prefix)-F 03-S-VO30-24 | 17 $\frac{7}{8}$ | 4 $\frac{3}{4}$ | 9 $\frac{1}{4}$ |
|                                                                                   | 24                | 4                | (Prefix)-F 04-S-VO30-24 | 17 $\frac{7}{8}$ | 4 $\frac{3}{4}$ | 9 $\frac{1}{4}$ |
|                                                                                   | 24                | 6                | (Prefix)-F 06-S-VO30-24 | 17 $\frac{7}{8}$ | 4 $\frac{3}{4}$ | 9 $\frac{1}{4}$ |

\*Specify prefixes ALT, SPT, SHT or SST

#### 30° Vertical inside bend

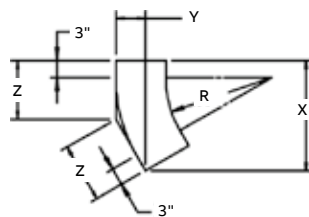
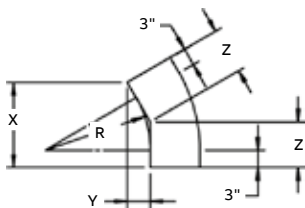


|                                                                                    | Radius<br>R (in.) | Width<br>W (in.) | Cat. no.                | Dimensions (in.) |                 |                 |
|------------------------------------------------------------------------------------|-------------------|------------------|-------------------------|------------------|-----------------|-----------------|
|                                                                                    |                   |                  |                         | X                | Y               | Z               |
|  | 12                | 1.5              | (Prefix)-F 01-S-VI30-12 | 10 $\frac{3}{8}$ | 1 $\frac{1}{8}$ | 5 $\frac{3}{8}$ |
|                                                                                    | 12                | 3                | (Prefix)-F 03-S-VI30-12 | 12 $\frac{1}{4}$ | 3 $\frac{1}{2}$ | 6 $\frac{3}{8}$ |
|                                                                                    | 12                | 4                | (Prefix)-F 04-S-VI30-12 | 12 $\frac{3}{8}$ | 3 $\frac{3}{8}$ | 5 $\frac{5}{8}$ |
|                                                                                    | 12                | 6                | (Prefix)-F 06-S-VI30-12 | 12 $\frac{1}{2}$ | 3 $\frac{3}{8}$ | 5 $\frac{5}{8}$ |
|                                                                                    | 24                | 1.5              | (Prefix)-F 01-S-VI30-24 | 18               | 4 $\frac{3}{4}$ | 9 $\frac{5}{8}$ |
|                                                                                    | 24                | 3                | (Prefix)-F 03-S-VI30-24 | 18 $\frac{1}{4}$ | 4 $\frac{7}{8}$ | 9 $\frac{3}{4}$ |
|                                                                                    | 24                | 4                | (Prefix)-F 04-S-VI30-24 | 18 $\frac{3}{8}$ | 4 $\frac{7}{8}$ | 9 $\frac{7}{8}$ |
|                                                                                    | 24                | 6                | (Prefix)-F 06-S-VI30-24 | 18 $\frac{1}{2}$ | 5               | 9 $\frac{7}{8}$ |

\*Specify prefixes ALT, SPT, SHT or SST

#### 30° Outside bend

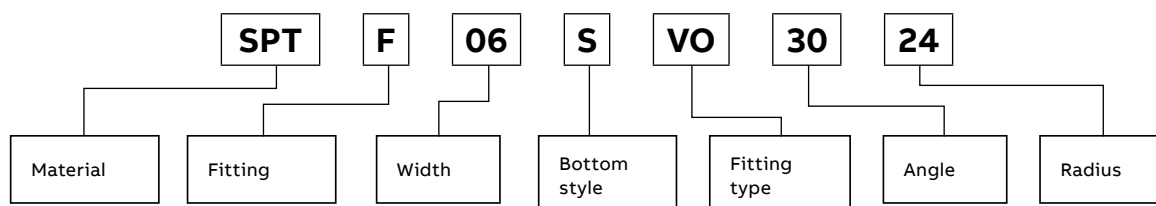
#### 30° Inside bend



#### Selection guide

- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dip galv.), SST (stainless steel)
- Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.
- Bottom style: S– solid

#### Part numbering system



Channel tray covers

Cover selection guide

Cover mounting hardware must be ordered separately.



Tray covers

Tray covers are available for all widths of tray. They should be installed where falling objects may damage cables or where vertical tray run is accessible by pedestrian or vehicular traffic.

Straight covers

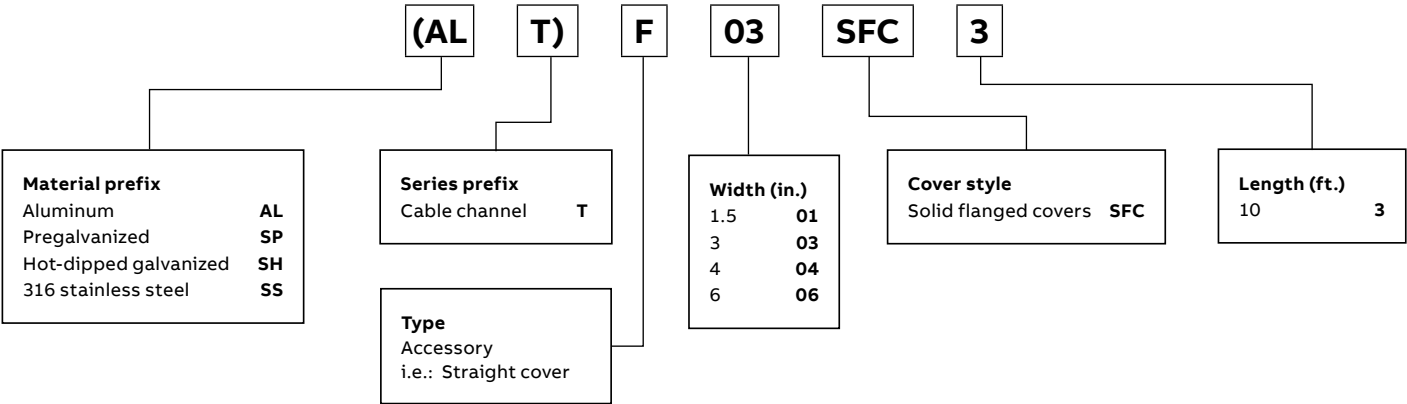
- These covers provide maximum mechanical protection for cables with limited heat build up
- Flanged covers have ½ in. flange

| Quantity of standard cover clamps required |        |
|--------------------------------------------|--------|
| Straight section (10 ft.)                  | 6 pcs. |

NOTE: When using the heavy-duty cover clamps, only half the quantity of pieces are required.



Straight cover number selection



—  
Cover mounting hardware must be ordered separately.



—  
Fitting covers

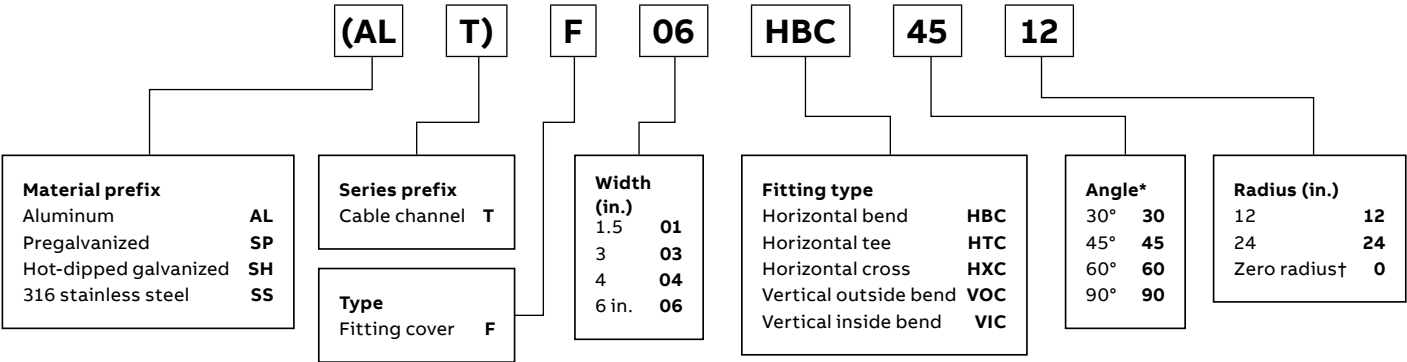
- Fitting covers are available to complete your cable channel layout
- All fitting covers are flanged

| Quantity of standard cover clamps required |        |
|--------------------------------------------|--------|
| Horizontal and vertical bends              | 4 pcs. |
| Tees                                       | 6 pcs. |
| Crosses                                    | 8 pcs. |

Note: When using the heavy-duty cover clamps, only half the quantity of pieces are required.



—  
Fittings cover number selection



—  
\*Required for HB, VI and VO only.

† Contact your regional sales office for availability.

Channel tray splice plates

Standard and expansion splice plates

- Selection guide
- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dip galv.), SST (stainless steel)
  - Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.

—

Standard 1.5 in. splice plate



| Cat. no.          | Width (in.) |
|-------------------|-------------|
| (Prefix)-W-01-CCS | 1.5         |

Supplied standard with each length.  
Including hardware: 2 bolts, 2 washers, 3⁄16 in. diameter.

—

Standard splice plate



| Cat. no.          | Width (in.) |
|-------------------|-------------|
| (Prefix)-W-03-CCS | 3           |
| (Prefix)-W-04-CCS | 4           |
| (Prefix)-W-06-CCS | 6           |

Supplied standard with each length.  
Including hardware: 4 bolts, 4 nuts, 4 washers, 3⁄16 in. diameter.

—

Expansion splice plate



| Cat. no.          | Width (in.) |
|-------------------|-------------|
| (Prefix)-W-01-ESP | 1.5         |
| (Prefix)-W-03-ESP | 3           |
| (Prefix)-W-04-ESP | 4           |
| (Prefix)-W-06-ESP | 6           |

Supplied with hardware for 1.5 in. wide channel: 2 bolts, 2 nuts; all other widths: 4 bolts, 2 stop nuts, 2 serrated flange nuts, 4 lock washers (stainless steel only), 3⁄16 in. diameter.



## Channel tray splice plates

Wraparound and adjustable splice plates

- Selection guide**
- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dip galv.), SST (stainless steel)
  - Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.

**Wraparound splice plate**

|                                                                                   | Cat. no.          | Width (in.) |
|-----------------------------------------------------------------------------------|-------------------|-------------|
|  | (Prefix)-W-01-ACS | 1.5         |
|                                                                                   | (Prefix)-W-03-ACS | 3           |
|                                                                                   | (Prefix)-W-04-ACS | 4           |
|                                                                                   | (Prefix)-W-06-ACS | 6           |

Supplied with hardware for 1.5 in. wide channel: 2 bolts, 2 nuts; all other widths: 4 bolts, 4 nuts, 4 washers, 3/8 in. diameter.

**Adjustable horizontal splice plate**



|                                                                                     | Cat. no.          | Width (in.) |
|-------------------------------------------------------------------------------------|-------------------|-------------|
|  | (Prefix)-W-01-CHA | 1.5         |
|                                                                                     | (Prefix)-W-03-CHA | 3           |
|                                                                                     | (Prefix)-W-04-CHA | 4           |
|                                                                                     | (Prefix)-W-06-CHA | 6           |

**Standard vertical adjustable splice plate**

|                                                                                     | Cat. no.          | Width (in.) |
|-------------------------------------------------------------------------------------|-------------------|-------------|
|  | (Prefix)-W-01-CCV | 1.5         |
|                                                                                     | (Prefix)-W-03-CCV | 3           |
|                                                                                     | (Prefix)-W-04-CCV | 4           |
|                                                                                     | (Prefix)-W-06-CCV | 6           |

Channel tray clamps and hardware

Wraparound splice plates and clamps

- Selection guide
- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dip galv.), SST (stainless steel)
  - Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.

Wraparound vertical adjustable splice plate

|                                                                                   | Cat. no.          | Width (in.) |
|-----------------------------------------------------------------------------------|-------------------|-------------|
|  | (Prefix)-W-01-WAV | 1.5         |
|                                                                                   | (Prefix)-W-03-WAV | 3           |
|                                                                                   | (Prefix)-W-04-WAV | 4           |
|                                                                                   | (Prefix)-W-06-WAV | 6           |

Standard hold-down clamp

|                                                                                     | Cat. no.          | Width (in.) |
|-------------------------------------------------------------------------------------|-------------------|-------------|
|  | (Prefix)-W-01-SHC | 1.5         |
|                                                                                     | (Prefix)-W-03-SHC | 3           |
|                                                                                     | (Prefix)-W-04-SHC | 4           |
|                                                                                     | (Prefix)-W-06-SHC | 6           |

Channel expansion guide clamp



|                                                                                     | Cat. no.          | Width (in.) |
|-------------------------------------------------------------------------------------|-------------------|-------------|
|  | (Prefix)-W-01-CEG | 1.5         |
|                                                                                     | (Prefix)-W-03-CEG | 3           |
|                                                                                     | (Prefix)-W-04-CEG | 4           |
|                                                                                     | (Prefix)-W-06-CEG | 6           |

Combination hold-down/cover clamp

|                                                                                     | Cat. no.          | Width (in.) |
|-------------------------------------------------------------------------------------|-------------------|-------------|
|  | (Prefix)-W-01-CCC | 1.5         |
|                                                                                     | (Prefix)-W-03-CCC | 3           |
|                                                                                     | (Prefix)-W-04-CCC | 4           |
|                                                                                     | (Prefix)-W-06-CCC | 6           |

## Channel tray clamps and hardware

Cover clamps, end plates and channel brackets

### Selection guide

- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dip galv.), SST (stainless steel)
- Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.

#### Heavy-duty cover clamp



|  | Cat. no.          | Width (in.) |
|--|-------------------|-------------|
|  | (Prefix)-W-01-HCC | 1.5         |
|  | (Prefix)-W-03-HCC | 3           |
|  | (Prefix)-W-04-HCC | 4           |
|  | (Prefix)-W-06-HCC | 6           |

#### Closed end plate



|  | Cat. no.          | Width (in.) |
|--|-------------------|-------------|
|  | (Prefix)-W-01-CEP | 1.5         |
|  | (Prefix)-W-03-CEP | 3           |
|  | (Prefix)-W-04-CEP | 4           |
|  | (Prefix)-W-06-CEP | 6           |

#### Channel-mounting bracket



|  | Cat. no.          | Width (in.) |
|--|-------------------|-------------|
|  | (Prefix)-W-01-CCB | 1.5         |
|  | (Prefix)-W-03-CCB | 3           |
|  | (Prefix)-W-04-CCB | 4           |
|  | (Prefix)-W-06-CCB | 6           |

#### Channel-to-cable-tray plate



|  | Cat. no.          | Width (in.) |
|--|-------------------|-------------|
|  | (Prefix)-W-01-CCT | 1.5         |
|  | (Prefix)-W-03-CCT | 3           |
|  | (Prefix)-W-04-CCT | 4           |
|  | (Prefix)-W-06-CCT | 6           |

Channel tray brackets and hangers

Reducer plates, base plates, mounting brackets and hangers

Selection guide

- Prefix: ALT (alum.), SPT (pregalv.), SHT (hot-dip galv.), SST (stainless steel)
- Inside channel widths: 01=1.5 in., 03=3 in., 04=4 in., 06=6 in.

Channel straight reducer plate

|  | Cat. no.        | Width (in.) |
|-----------------------------------------------------------------------------------|-----------------|-------------|
|                                                                                   | (*)-W-03-01-RSP | 3 to 1      |
|                                                                                   | (*)-W-04-01-RSP | 4 to 1      |
|                                                                                   | (*)-W-06-01-RSP | 6 to 1      |
|                                                                                   | (*)-W-04-03-RSP | 4 to 3      |
|                                                                                   | (*)-W-06-03-RSP | 6 to 3      |
|                                                                                   | (*)-W-06-04-RSP | 6 to 4      |

Channel-to-floor base plate

|  | Cat. no.          | Width (in.) |
|-------------------------------------------------------------------------------------|-------------------|-------------|
|                                                                                     | (Prefix)-W-01-CBP | 1.5         |
|                                                                                     | (Prefix)-W-03-CBP | 3           |
|                                                                                     | (Prefix)-W-04-CBP | 4           |
|                                                                                     | (Prefix)-W-06-CBP | 6           |

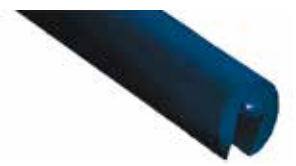
Single channel hanger

|  | Cat. no.     | Width (in.)             |
|-------------------------------------------------------------------------------------|--------------|-------------------------|
|                                                                                     | SPT-W-06-CCH | For use with all widths |
|                                                                                     | SHT-W-06-CCH | For use with all widths |
|                                                                                     | SST-W-06-CCH | For use with all widths |

Designed for use with 1/2 in. threaded rod

Channel tray brackets and hangers

Hangers and channel rubber edge trim



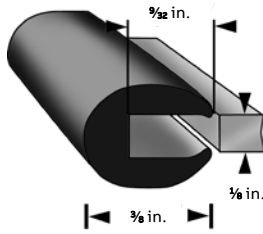
- Product specifications: Recommended temperature range: -40 °C through 107 °C
- Recommended temperature range if ordered with adhesive: -23 °C through 70 °C
- Base material: Dense neoprene rubber
- Very flexible to fit tight radius
- Wear- and fuel-resistant neoprene
- Available on request with pre-applied butyl sealant or hot-melted adhesive

Double channel hanger

|                                                                                    | Cat. no.     | Width (in.)             |
|------------------------------------------------------------------------------------|--------------|-------------------------|
|  | SPT-W-06-DCH | For use with all widths |
|                                                                                    | SHT-W-06-DCH | For use with all widths |

Designed for use with 1/2 in. threaded rod

Channel rubber edge trim

|                                                                                     | Cat. no. | Width                               | Description                                                 |
|-------------------------------------------------------------------------------------|----------|-------------------------------------|-------------------------------------------------------------|
|  | RET-BUSH | For use with 3 in., 4 in. and 6 in. | Rubber edge trim – 10 3/4 in. bushing – standard pack of 10 |
|                                                                                     | RET-50   | For use with all widths             | Rubber edge trim – 50 foot roll                             |
|                                                                                     | RET-500  | For use with all widths             | Rubber edge trim – 500 foot roll                            |

## Ice and wind loading maps

Figure 250-1USA and 250-2USA loading for grades B, C and D

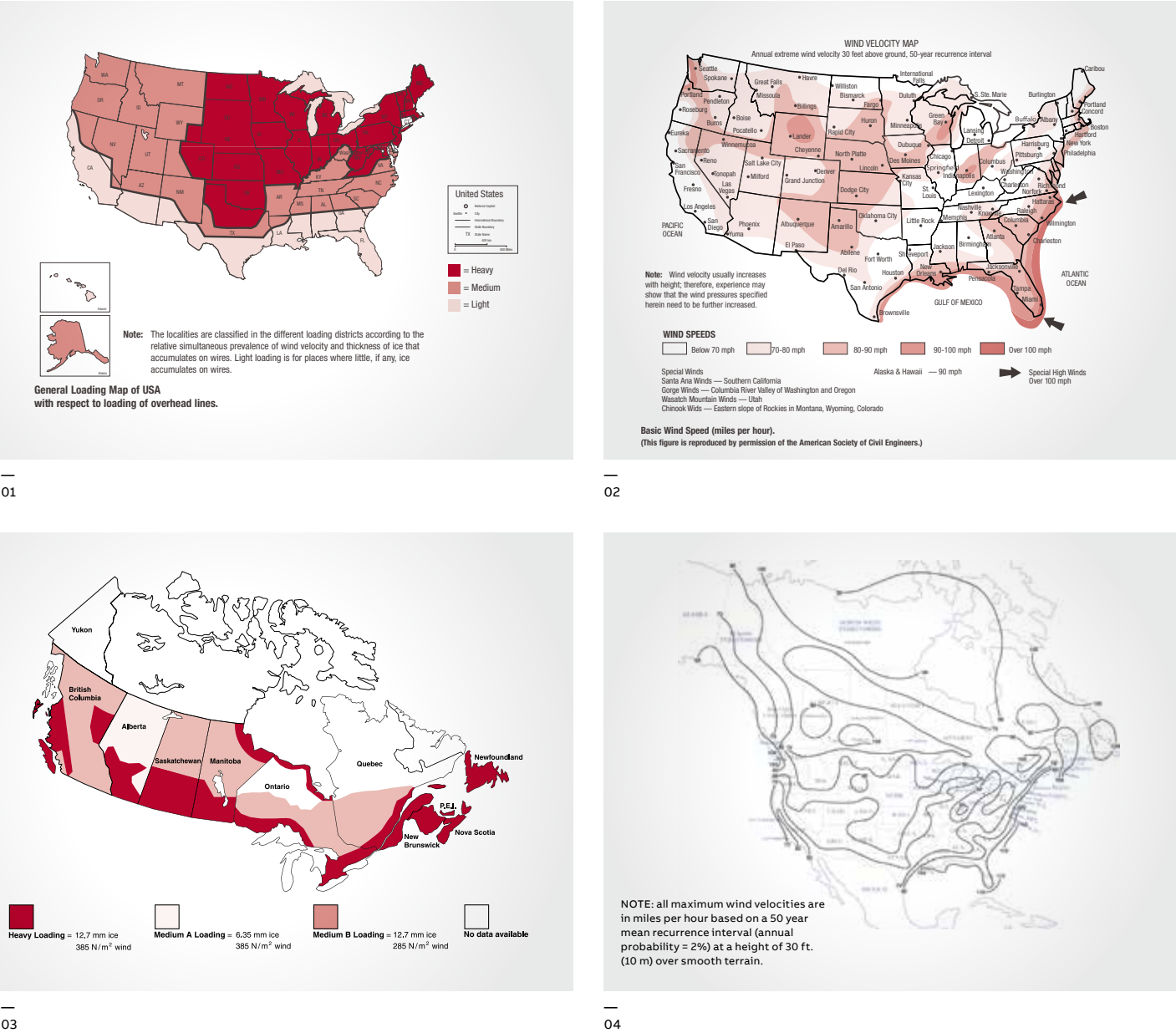


Figure 250-2CDN is a wind map of North America reproduced from ASCE 7-88 [52]. For Hawaii and Puerto Rico, the basic wind speeds are 80 mph and 95 mph, respectively.

Note: Wind velocity usually increases with height; therefore, experience may show that the wind pressures specified herein need to be further increased.

# Common accessories

## Custom maple block and cable rollers

### Cable rollers

#### Why should rollers be used?

1. To reduce pulling stress on cables, avoiding undue fatigue or abrasions
2. Minimizes harmful “shear” load being placed on cable trays
3. To reduce installation time

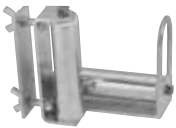
#### Why purchase the T&B cable roller system?

- Universal – Fits virtually all tray systems
- Mounts from bottom of cable tray, eliminating the need for double handling cables and reducing possibility of cable damage
- Sideways telescopic adjustment allows rollers to accommodate virtually all tray widths
- Nylon bearings require no lubrication
- Independent rollers limit cable abrasion

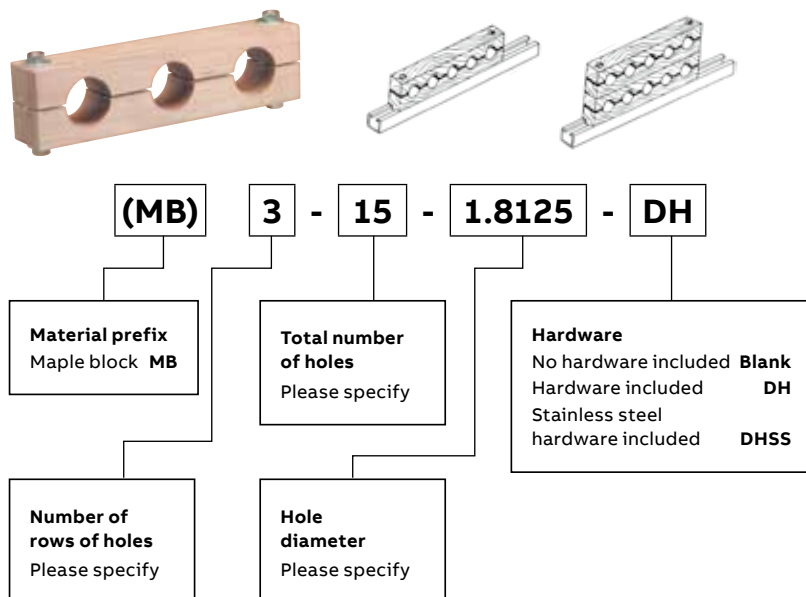
#### Straight roller

|                                                                                    | Cat. no. | Description | Fits                                              |
|------------------------------------------------------------------------------------|----------|-------------|---------------------------------------------------|
|  | HAR 1224 | Straight    | All profiles<br>12 in. to 24 in. (30 cm to 60 cm) |
|                                                                                    | HAR 1836 | Straight    | All profiles<br>18 in. to 36 in. (45 cm to 90 cm) |

#### Corner roller

|                                                                                     | Cat. no. | Description | Fits         |
|-------------------------------------------------------------------------------------|----------|-------------|--------------|
|  | VHR04    | Corner      | All profiles |

#### Maple hardwood block catalogue selector



#### Custom maple hardwood block

- Maple hardwood, paraffin wax impregnated, multiple cable blocks can be made to your specific requirements.
- Cable blocks are to ensure proper separation of single conductor cables, which prevents any interference due to magnetic fields. The maple hardwood blocks are paraffin wax impregnated to prevent moisture from penetrating and causing rotting and splitting.
- Cable blocks are also available in high-density polyethylene.
- Price and delivery upon request.
- Electrogalvanized hardware included; however, stainless steel hardware is also available upon request.

Common accessories

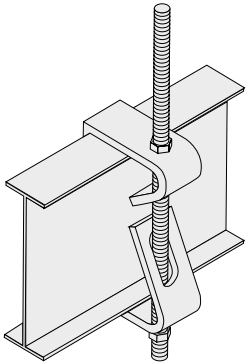
Cable tray support systems



Hanger rod clamp

These clamps are designed for ladder and ventilated cable tray. They provide a fast and economical solution for a suspended cable tray installation. One kit is needed per each threaded rod location.

- Kit consists of: one bottom clamp, one top clamp
- Uses ½ in. threaded rod (order separately)
- 250 lb capacity per kit
- Height available: 3, 4, 5, 6, 7 in.

| For steel cable tray                                                               |                |                 |              |
|------------------------------------------------------------------------------------|----------------|-----------------|--------------|
|  | Cat. no.       | Material prefix | Height (in.) |
|                                                                                    | (Prefix)-*-HRC | SPW, SSW, SHW   | 3 to 7       |
|                                                                                    | ABW36-HRC      | Aluminum        | 3 to 7       |

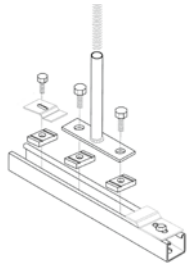
(\*) Insert height.



Center support bracket

This system is designed to reduce cable pulling by allowing access from both sides of cable tray. Installation cost and time are reduced significantly by single-point suspension.

- Supplied as a complete kit
- Uses ½ in. threaded rod (order separately)
- For use with up to 24 in. wide tray
- Load capacity : 700 lb per kit

|  | Cat. no. | Material              | Channel width (in.) | Tray width (in.) |
|-------------------------------------------------------------------------------------|----------|-----------------------|---------------------|------------------|
|                                                                                     | SHW18CSB | Hot-dipped galvanized | 18                  | 6                |
|                                                                                     |          | Hot-dipped galvanized | 18                  | 9                |
|                                                                                     | SHW30CSB | Hot-dipped galvanized | 30                  | 12               |
|                                                                                     |          | Hot-dipped galvanized | 30                  | 18               |
|                                                                                     |          | Hot-dipped galvanized | 30                  | 24               |



## Common accessories

### Cable tray support systems



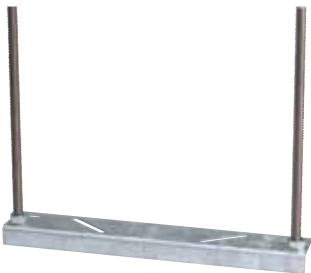
**Trapeze kit**

This system is designed to support various cable tray widths in a suspending installation.

- Kit consists of: one piece of strut cut to length, four  $\frac{3}{8}$  in. strut nuts, two hold-down clips, four  $\frac{1}{2}$  in. hex nuts, two  $\frac{3}{8}$  in. x  $\frac{7}{8}$  in. hex head cap screws, four  $\frac{1}{2}$  in. square washers
- Uses  $\frac{1}{2}$  in. threaded rod (order separately)

|  | Cat. no.   | Channel width (in.) | Tray width (in.) |
|--|------------|---------------------|------------------|
|  | (*)-06-TPK | 16 $\frac{7}{8}$    | 6                |
|  | (*)-09-TPK | 18 $\frac{3}{4}$    | 9                |
|  | (*)-12-TPK | 22 $\frac{1}{2}$    | 12               |
|  | (*)-18-TPK | 28 $\frac{1}{8}$    | 18               |
|  | (*)-24-TPK | 35 $\frac{5}{8}$    | 24               |
|  | (*)-30-TPK | 41 $\frac{1}{4}$    | 30               |
|  | (*)-36-TPK | 46 $\frac{7}{8}$    | 36               |
|  | (*)-42-TPK | 52 $\frac{1}{2}$    | 42               |

(\*) Insert SHW for hot-dipped galvanized. SSW for stainless steel 316 or SPW for pregalvanized.



- Hanging rods not included
- Standard finish: hot-dipped galvanized

**Cross member**

|  | Cat. no.   | A (in.) | B (in.) | C (in.) |
|--|------------|---------|---------|---------|
|  | S202-6HDG  | 6       | 5       | —       |
|  | S202-9HDG  | 9       | 8       | 2       |
|  | S202-15HDG | 5       | 14      | 8       |
|  | S202-21HDG | 21      | 20      | 14      |
|  | S202-27HDG | 27      | 26      | 20      |
|  | S202-33HDG | 33      | 32      | 26      |

\* Order hold-down clips separately, cat no. SSW-HEC.

Common accessories

Cable tray support systems



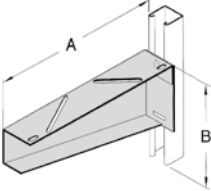
- Swivel tray clamp for aluminum and steel trays with regular or reinforced flanges
- Serrations and biting teeth on clamping saddle provide a high-quality bond between conduit and clamp
- ½ to 4 inch can be clamped to any position in a 90° arc
- Material: malleable iron hub and steel U-bolt
- Standard finish: zinc-plated

UL

Conduit-to-cable-tray swivel clamp

| Cat. no. | Conduit size (in.) |
|----------|--------------------|
| 6209     | ½–¾                |
| 6211     | 1–1¼               |
| 6214     | 1½–2               |
| 6216     | 2½–3               |
| 6218     | 3½–4               |

Cantilever support

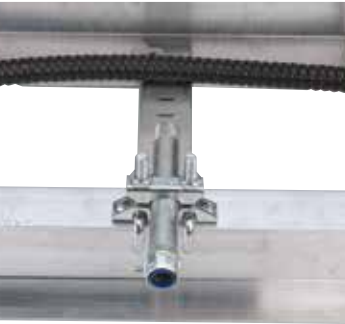


| Cat. no.   | A (in.) | B (in.)                       | Design load/lb |
|------------|---------|-------------------------------|----------------|
| S203-8HDG  | 8½      | 4½ <sup>16</sup>              | 180            |
| S203-14HDG | 14½     | 5 <sup>9</sup> <sub>16</sub>  | 325            |
| S203-20HDG | 20½     | 6 <sup>11</sup> <sub>16</sub> | 525            |
| S203-26HDG | 26½     | 8                             | 675            |
| S203-32HDG | 32½     | 8                             | 840            |
| S203-38HDG | 38½     | 8                             | 1,050          |

\* Order hold-down clips separately, cat no. SSW-HEC. Standard finish: hot-dipped galvanized.

Conduit-to-cable-tray clamp

- Material: steel
- Standard finish: electrogalvanized



SPUL

| Cat. no. | Conduit size (in.) |
|----------|--------------------|
| 6210     | ½–¾                |
| 6212     | 1–1¼               |

# Grounding and bonding

## Grounding and bonding products



Cat. no. 10109

- Material: malleable iron
- Standard finish: zinc plated
- For use with aluminum and steel cable tray



Cable tray ground clamp

|  | Cat. no. | Cable              | Description                                       |
|--|----------|--------------------|---------------------------------------------------|
|  | 10105    | Copper or aluminum | Cable for single conductors #4 solid to 2/0 str.  |
|  | 10109    | Copper or aluminum | Cable for single conductors 2/0 solid to 4/0 str. |



- Bolt has square shank to prevent turning and allow clamp to be tightened with one wrench
- Material: copper alloy
- Standard finish: tin-plated for aluminum cable tray
- Castings are of high-strength, corrosion-resistant copper alloy



Blackburn® ground clamp

|                                                                                     |                                                                                     | Conductor range (AWG) |          |           |        |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------|----------|-----------|--------|
|                                                                                     |                                                                                     | Cat. no.              | Min.     | Max.      | Figure |
|  |  | GTC13P                | #4 sol.  | 2/0 str.  | 1      |
|                                                                                     |                                                                                     | GTC14P                | 2/0 str. | 250 kcmil | 1      |
|                                                                                     |                                                                                     | GTC23P                | #4 sol.  | 2/0 str.  | 2      |
|                                                                                     |                                                                                     | GTC24P                | 2/0 str. | 250 kcmil | 2      |

## Grounding and bonding

### Grounding and bonding products



- Material: tin-plated high strength 6061-T6 aluminum alloy
- These grounding connectors are dual rated for aluminum and copper conductors
- The open face design allows the installer to quickly lay in the grounding conductor as a jumper

Blackburn lay-in lug



| Cat. no. | Conductor range (AWG) |           | Stud size |       |
|----------|-----------------------|-----------|-----------|-------|
|          | Min.                  | Max.      | (in.)     | (mm²) |
| LL306    | #6 solid              | 3/0 str.  | 0.33      | 8.38  |
| LL2506   | #6 str.               | 250 kcmil | 0.33      | 8.38  |



- Custom braids are available
- Material: copper
- Standard finish: tin-plated

Bonding jumpers



| Cat. no. | Bonding amp capacity (A) | Single bolt hole (in.) | Description                |
|----------|--------------------------|------------------------|----------------------------|
| FBD12-1* | 600                      | 7/16                   | 12 in. flat flexible braid |
| FBD16-1* | 600                      | 7/16                   | 16 in. flat flexible braid |
| FBD18-1* | 600                      | 7/16                   | 18 in. flat flexible braid |
| FBD24-1* | 600                      | 7/16                   | 24 in. flat flexible braid |
| FBD30-1* | 600                      | 7/16                   | 30 in. flat flexible braid |
| FBD36-1* | 600                      | 7/16                   | 36 in. flat flexible braid |
| FBE12-1* | 1200                     | 9/16                   | 12 in. flat flexible braid |
| FBE16-1* | 1200                     | 9/16                   | 16 in. flat flexible braid |
| FBE18-1* | 1200                     | 9/16                   | 18 in. flat flexible braid |
| FBE24-1* | 1200                     | 9/16                   | 24 in. flat flexible braid |
| FBE30-1* | 1200                     | 9/16                   | 30 in. flat flexible braid |
| FBE36-1* | 1200                     | 9/16                   | 36 in. flat flexible braid |
| FBG12-1* | 2000                     | 9/16                   | 12 in. flat flexible braid |
| FBG16-1* | 2000                     | 9/16                   | 16 in. flat flexible braid |
| FBG18-1* | 2000                     | 9/16                   | 18 in. flat flexible braid |
| FBG24-1* | 2000                     | 9/16                   | 24 in. flat flexible braid |
| FBG30-1* | 2000                     | 9/16                   | 30 in. flat flexible braid |
| FBG36-1* | 2000                     | 9/16                   | 36 in. flat flexible braid |

\* CSA Certified and UL Listed for grounding and bonding equipment.

## Grounding and bonding

### Grounding and bonding products



**Blackburn cable tray ground clamp**



| Cat. no. | Cable    | Description                                                 |
|----------|----------|-------------------------------------------------------------|
| CTG250   | Al or Cu | For parallel or tapping applications, #2 solid to 250 kcmil |

**Table 1 (NEC Table 392.7 (B))**

#### Metal area requirements for cable trays used as equipment grounding conductors

| Maximum fuse ampere rating, circuit breaker ampere trip setting, or circuit breaker protective relay ampere trip setting for ground fault protection of any cable circuit in the cable tray system | Minimum cross-sectional area of metal* in square inches |                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------|
|                                                                                                                                                                                                    | Steel cable trays                                       | Aluminum cable trays |
| 60                                                                                                                                                                                                 | 0.20                                                    | 0.20                 |
| 100                                                                                                                                                                                                | 0.40                                                    | 0.20                 |
| 200                                                                                                                                                                                                | 0.70                                                    | 0.20                 |
| 400                                                                                                                                                                                                | 1.00                                                    | 0.40                 |
| 600                                                                                                                                                                                                | 1.50**                                                  | 0.40                 |
| 1000                                                                                                                                                                                               | —                                                       | 0.60                 |
| 1200                                                                                                                                                                                               | —                                                       | 1.00                 |
| 1600                                                                                                                                                                                               | —                                                       | 1.50                 |
| 2000                                                                                                                                                                                               | —                                                       | 2.00**               |

For SI units: one square inch = 645 square millimeters.

\* Total cross-sectional area of both side rails for ladder or trough-type cable trays: or the minimum cross-sectional area of metal in channel-type cable trays or cable trays of one-piece construction.

\*\* Steel cable trays shall not be used as equipment grounding conductors for circuits with ground-fault protection above 600 A. Aluminum cable trays shall not be used as equipment grounding conductors for circuits with ground-fault protection above 2000 A. For larger ampere ratings, an additional grounding conductor must be used.

**Table 2 (Based on NEC Table 250-95 and CEC Table 16)**

#### Minimum size equipment grounding Conductors for grounding and bonding raceway and equipment

| Rating or setting of automatic overcurrent device in circuit ahead of equipment, conduit, etc. Not exceeding (amperes) | Size (AWG)      |                                            |
|------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------|
|                                                                                                                        | Copper wire no. | Aluminum or copper-clad aluminum wire no.* |
| 15                                                                                                                     | 14              | 12                                         |
| 20                                                                                                                     | 12              | 10                                         |
| 30                                                                                                                     | 10              | 8                                          |
| 40                                                                                                                     | 10              | 8                                          |
| 60                                                                                                                     | 10              | 8                                          |
| 100                                                                                                                    | 8               | 6                                          |
| 200                                                                                                                    | 6               | 4                                          |
| 300                                                                                                                    | 4               | 2                                          |
| 400                                                                                                                    | 3               | 1                                          |
| 500                                                                                                                    | 2               | 1/0                                        |
| 600                                                                                                                    | 1               | 2/0                                        |
| 800                                                                                                                    | 1/0             | 3/0                                        |
| 1000                                                                                                                   | 2/0             | 4/0                                        |
| 1200                                                                                                                   | 3/0             | 250 kcmil                                  |
| 1600                                                                                                                   | 4/0             | 350 kcmil                                  |
| 2000                                                                                                                   | 250 kcmil       | 400 kcmil                                  |
| 2500                                                                                                                   | 350 kcmil       | 600 kcmil                                  |
| 3000                                                                                                                   | 400 kcmil       | 600 kcmil                                  |
| 4000                                                                                                                   | 500 kcmil       | 800 kcmil                                  |
| 5000                                                                                                                   | 700 kcmil       | 1,200 kcmil                                |

\* See installation restrictions in NEC Section 250-92(a).

For more information on grounding and bonding cable tray, refer to NEMA VE 2 cable tray installation guidelines.

# Superstrut® support systems

## 1<sup>5</sup>/<sub>8</sub> in. x 1<sup>5</sup>/<sub>8</sub> in. channel and hardware

Superstrut 1<sup>5</sup>/<sub>8</sub> in. x 1<sup>5</sup>/<sub>8</sub> in. 12 gauge channel type A

| Cat. no. | Description  |
|----------|--------------|
| A1200    | Solid base   |
| A1200-P  | Punched      |
| A1200-HS | Half slots   |
| A1200-S  | Long slots   |
| A1200-KO | Knockouts    |
| A1202    | Back to back |

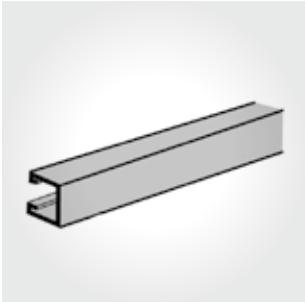
Example: A1200HS10ALC, A120020HDGC

Superstrut 1<sup>5</sup>/<sub>8</sub> in. x 1<sup>5</sup>/<sub>8</sub> in.  
12 gauge channel type A

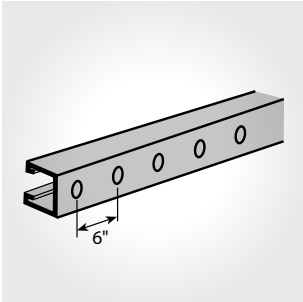
**Offered in 10 or 20 ft. lengths.**  
Aluminum, hot-dipped galvanized or stainless steel channels are recommended to support aluminum, steel or stainless steel cable tray.

| Finishes and materials |                                   |
|------------------------|-----------------------------------|
| No suffix              | Gold galvanized dichromate finish |
| PGC                    | Pregalvanized                     |
| HDGC                   | Hot-dipped galvanized             |
| T316L                  | Stainless steel type 316          |
| ALC                    | Aluminum                          |
| EG                     | Electrogalvanized                 |

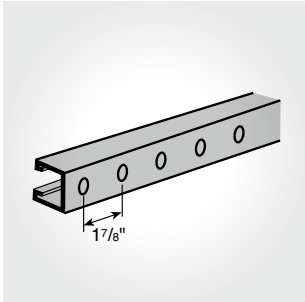
- 01 Solid base
- 02 Knockouts
- 03 Long slots
- 04 Half slots
- 05 Punched
- Back to back



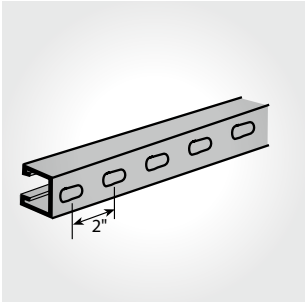
01



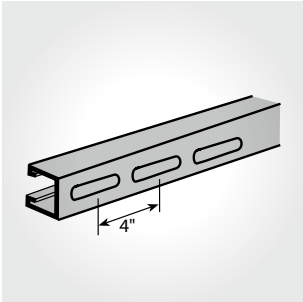
02



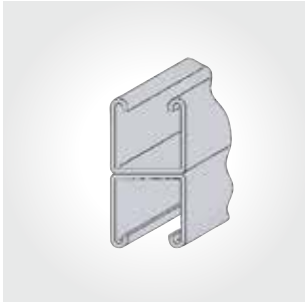
03



04



05

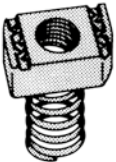
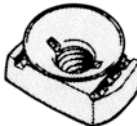


06

## Superstrut support systems

### Hardware

#### Channel nuts

|                                                                                    | Cat. no.     | Size (in.) |                                                                                                                                                            |
|------------------------------------------------------------------------------------|--------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | A100-1/4EGC  | 1/4        | Standard finish: electrogalvanized.<br>Stainless steel channel nuts are recommended for aluminum channel and cable tray rungs.<br>Change suffix to SS6(C). |
|                                                                                    | A100-5/16EGC | 5/16       |                                                                                                                                                            |
|                                                                                    | A100-3/8EGC  | 3/8        |                                                                                                                                                            |
|                                                                                    | A100-1/2EGC  | 1/2        |                                                                                                                                                            |
|                                                                                    | A100-5/8EGC  | 5/8        |                                                                                                                                                            |
|                                                                                    | A100-3/4     | 3/4        |                                                                                                                                                            |
|                                                                                    | A100-7/8EGC  | 7/8        |                                                                                                                                                            |
| Nut is square over 1/2 in. size                                                    |              |            |                                                                                                                                                            |
|   | AC100-1/4EGC | 1/4        | Standard finish: electrogalvanized.<br>Stainless steel channel nuts are recommended for aluminum channel and cable tray rungs.<br>Change suffix to SS6(C). |
|                                                                                    | AC100-3/8EGC | 3/8        |                                                                                                                                                            |
|                                                                                    | AC100-1/2EGC | 1/2        |                                                                                                                                                            |
|                                                                                    | AC100-5/8    | 5/8        |                                                                                                                                                            |
|                                                                                    | AC100-3/4    | 3/4        |                                                                                                                                                            |
| Nut is square over 1/2 in. size                                                    |              |            |                                                                                                                                                            |
|  | UC100-1/4    | 1/4        | Not available in stainless steel.                                                                                                                          |
|                                                                                    | UC100-3/8    | 3/8        |                                                                                                                                                            |
|                                                                                    | UC100-1/2    | 1/2        |                                                                                                                                                            |

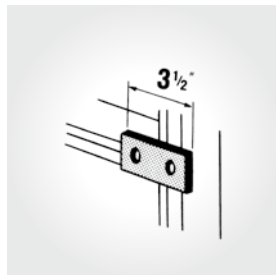
For all 1 5/8 in. and 1 1/2 in. channels; May be used with ALL strut depths.

#### Hex head cap screw

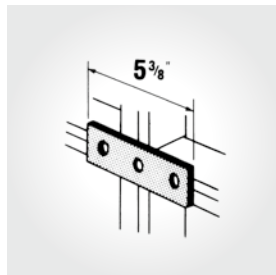
|                                                                                     | Cat. no.       | Size (in.)  |                                                                                                  |
|-------------------------------------------------------------------------------------|----------------|-------------|--------------------------------------------------------------------------------------------------|
|  | E142-1/4x100EG | 1/4 x 1     | Standard finish: electrogalvanized.<br>Available in stainless steel.<br>Change suffix to SS6(C). |
|                                                                                     | E142-1/4x150EG | 1/4 x 1 1/2 |                                                                                                  |
|                                                                                     | E142-3/8x100EG | 3/8 x 1     |                                                                                                  |
|                                                                                     | E142-3/8x150EG | 3/8 x 1 1/2 |                                                                                                  |
|                                                                                     | E142-1/2x100EG | 1/2 x 1     |                                                                                                  |
|                                                                                     | E142-1/2x150EG | 1/2 x 1 1/2 |                                                                                                  |

## Superstrut support systems

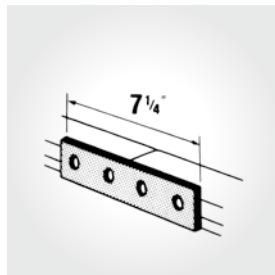
### Superstrut fittings and brackets



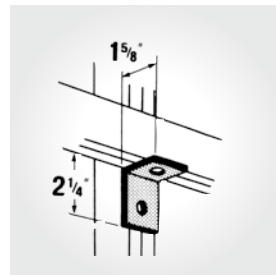
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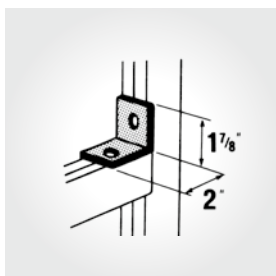
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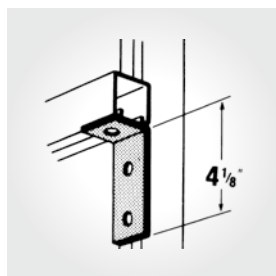
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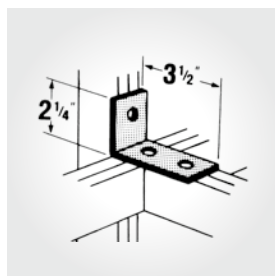
04



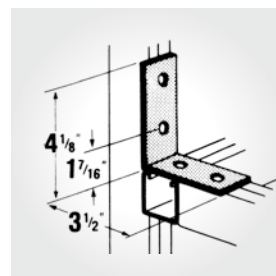
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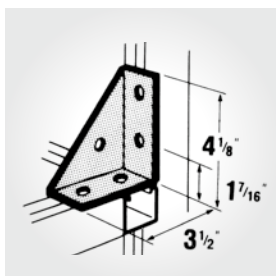
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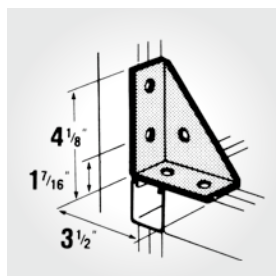
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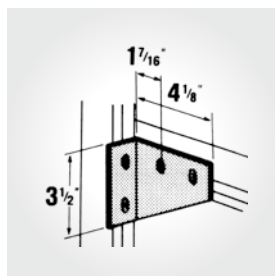
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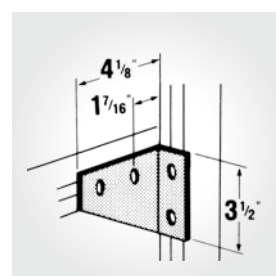
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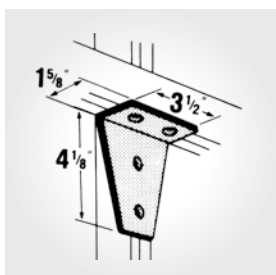
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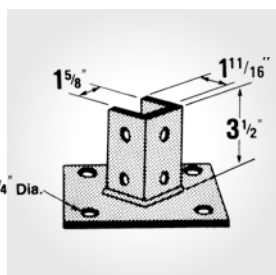
11



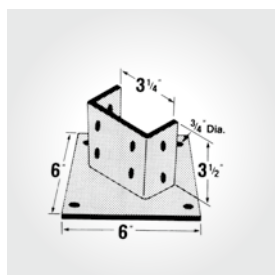
12



13



14



15

|              |                |
|--------------|----------------|
| 01 AB206HDGC | 10 AB214HDGC   |
| 02 AB207HDGC | 11 AB254-LHDGC |
| 03 X207HDGC  | 12 AB254-RHDGC |
| 04 AB201HDGC | 13 X289HDGC    |
| 05 AB202HDGC | 14 AP232HDG    |
| 06 AB203HDGC | 15 AP235HDGC   |
| 07 AB204HDGC |                |
| 08 AB205HDGC |                |
| 09 AB213HDGC |                |

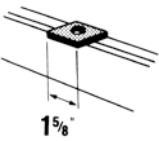
NOTE: Hot-dipped galvanized HDG(C) or stainless steel SS6(C) fittings are recommended to assemble aluminum channel. Also available in electrogalvanized (EG) and gold galvanized dichromate (no suffix). Std. dimensions: Hole spacing 1 5/8 in. from end, hole spacing 1 7/8 in. centers, hole size 9/16 in. dia., fitting width 1 5/8 in.

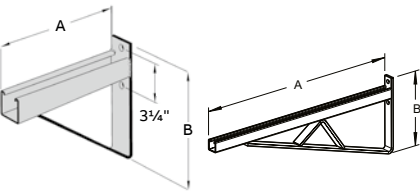


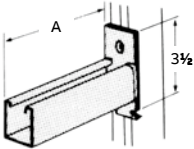
## Superstrut support systems

### Superstrut fittings and brackets

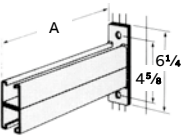
#### Superstrut fittings and brackets

|                                                                                   | Cat. no.      | Hole size (in.) |
|-----------------------------------------------------------------------------------|---------------|-----------------|
|  | AB241-1/4HDGC | 1/4             |
|                                                                                   | AB241-3/8HDGC | 3/8             |
|                                                                                   | AB241-1/2HDGC | 1/2             |
|                                                                                   | AB241-3/4HDGC | 3/4             |

|                                                                                   | Cat. no.   | A (in.) | B (in.) | Design load (lb) |
|-----------------------------------------------------------------------------------|------------|---------|---------|------------------|
|  | S249-8HDG  | 8 1/2   | 8       | 1,600            |
|                                                                                   | S249-14HDG | 14 1/2  | 9       | 1,325            |
|                                                                                   | S249-20HDG | 20 1/2  | 9       | 1,000            |
|                                                                                   | S249-26HDG | 26 1/2  | 11 1/2  | 850              |
|                                                                                   | S249-32HDG | 32 1/2  | 11 1/2  | 750              |
|                                                                                   | S249-38HDG | 38 1/2  | 11 1/2  | 600              |

|                                                                                     | Cat. no.   | A (in.) | Design load (lb) |
|-------------------------------------------------------------------------------------|------------|---------|------------------|
|  | S256-8HDG  | 8 1/2   | 1,000            |
|                                                                                     | S256-14HDG | 14 1/2  | 500              |
|                                                                                     | S256-20HDG | 20 1/2  | 300              |
|                                                                                     | S256-26HDG | 26 1/2  | 250              |

When installed in inverted position, reduce load rating 40%. Strut section made from half-slot channel.

|                                                                                     | Cat. no.    | A (in.) | Design load (lb) |
|-------------------------------------------------------------------------------------|-------------|---------|------------------|
|  | S251-14HDGC | 14 1/2  | 1,650            |
|                                                                                     | S251-20HDGC | 20 1/2  | 1,050            |
|                                                                                     | S251-26HDGC | 26 1/2  | 800              |
|                                                                                     | S251-32HDGC | 32 1/2  | 650              |
|                                                                                     | S251-38HDGC | 38 1/2  | 500              |

Hot-dipped galvanized HDG(C) or stainless steel SS6(C) fittings are recommended to assemble aluminum channel. Also available in electrogalvanized (EG) and gold galvanized dichromate (no suffix). Std. dimensions: Hole spacing 1 3/8 in. from end, hole spacing 1 7/8 in. centers, hole size 3/8 in. dia., fitting width 1 1/8 in.

Superstrut support systems

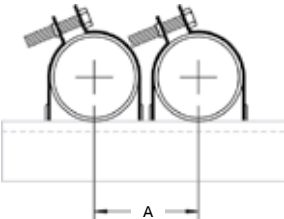
Quick Clamp II (TBQC)



- True one-piece construction – Arrives ready to install
- NO breaking apart – Half the installation time of break apart clamps
- Integral bolt and captive nut – No separate pieces to lose
- One size fits EMT and rigid conduit – Takes the guesswork out of clamp selection
- Pipe size and catalogue number stamped right on clamp
- Attaches a complete range of EMT and rigid conduit (½ in. to 4 in.) to strut channels

- Multi-driver combo bolt head – Accepts a wrench, most screwdrivers or ½ in. nut driver
- Field-adjustable angle (±4°) – Easy installation even when strut is not square
- Embossed J-hooks increase loading capabilities
- ABB flex window provides wrapping action around pipes
- Easy reconfiguration without complete disassembly – Easily accessible angled bolt allows for field adjustments and closer conduit spacing
- Electrogalvanized finish – Additional corrosion resistance

Ordering information

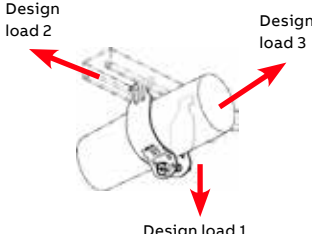


| Cat. no. | EMT<br>Dimension A<br>in. (mm) | Rigid conduit<br>dimension A<br>in. (mm) |
|----------|--------------------------------|------------------------------------------|
| TBQC050  | ½ (12.7)                       | ½ (12.7)                                 |
| TBQC075  | ¾ (19.05)                      | ¾ (19.05)                                |
| TBQC100  | 1 (44.5)                       | 1 (44.5)                                 |
| TBQC125  | 1 ¼ (31.75)                    | 1 ¼ (31.75)                              |
| TBQC150  | 1 ½ (38.1)                     | 1 ½ (38.1)                               |
| TBQC200  | 2 (50.8)                       | 2 (50.8)                                 |
| TBQC250  | 2 ½ (63.5)                     | 2 ½ (63.5)                               |
| TBQC300  | 3 (76.2)                       | 3 (76.2)                                 |
| TBQC350  | 3 ½ (88.9)                     | 3 ½ (88.9)                               |
| TBQC400  | 4 (101.6)                      | 4 (101.6)                                |

## Superstrut support systems

### Quick Clamp II (TBQC)

#### Loading data

|                                                                                    | Cat. no. | Design load 1                | Design load 2 | Design load 3 |
|------------------------------------------------------------------------------------|----------|------------------------------|---------------|---------------|
|                                                                                    |          | static load limit<br>lb (kg) | lb (kg)       | lb (kg)       |
|  | TBQC050  | 200 (90)                     | 50 (23)       | 50 (23)       |
|                                                                                    | TBQC075  | 200 (90)                     | 50 (23)       | 50 (23)       |
|                                                                                    | TBQC100  | 200 (90)                     | 50 (23)       | 50 (23)       |
|                                                                                    | TBQC125  | 200 (90)                     | 50 (23)       | 50 (23)       |
|                                                                                    | TBQC150  | 200 (90)                     | 50 (23)       | 50 (23)       |
|                                                                                    | TBQC200  | 200 (90)                     | 50 (23)       | 50 (23)       |
|                                                                                    | TBQC250  | 350 (158)                    | 50 (23)       | 50 (23)       |
|                                                                                    | TBQC300  | 350 (158)                    | 50 (23)       | 50 (23)       |
|                                                                                    | TBQC350  | 350 (158)                    | 50 (23)       | 50 (23)       |
|                                                                                    | TBQC400  | 350 (158)                    | 50 (23)       | 50 (23)       |

Design load 1 has a safety factor of 4. Design loads 2 and 3 have a safety factor of 1.

# Superstrut support systems

## Cobra® cable and pipe clamp (CPC)

Clear markings on each clamp identify the catalogue number, min./max. outer cable diameters, EMT/rigid trade sizes, CSA and UL stamps. One size clamp works on equal trade sizes for both EMT and rigid conduit.

- Works with all depths of strut –  $\frac{13}{16}$  in. to  $3\frac{1}{4}$  in.
- Two hooks on the same side – Make the clamp easy to install and keep conduits and cable square with strut
- Rugged stirrup and wide saddle design – Holds securely with no damage to conduit or cable
- Suggested design load is 200 lb ( $\frac{1}{2}$  in. to 2 in.); 350 lb ( $2\frac{1}{2}$  in. to 4 in.); safety factor 4:1 (safety factor = ratio of ultimate load to the design load)
- Heavy-duty  $\frac{5}{16}$  in. hex bolt – With multi-driver head (Robertson square, Phillips cross-recess and slot) provides full range of installation options – Virtually any tool will work
- Bright zinc finish clamps are electrogalvanized after fabrication for additional durability



## Cobra cable and pipe clamp (CPC)



Standard material is commercial-grade, bright electrogalvanized steel. Stainless steel 316L is also available; add the suffix "SS6" to catalogue no. (i.e.: CPC050SS6).  
Stainless steel bolt head is hexagonal and slotted only.

|  | Design load 1<br>Static load limit<br>lb (kg) | Design<br>load 2<br>lb (kg) | Design<br>load 3<br>lb (kg) |
|-------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------|-----------------------------|
|                                                                                     | 200 (91)                                      | 50 (23)                     | 50 (23)                     |
|                                                                                     | 200 (91)                                      | 50 (23)                     | 50 (23)                     |
|                                                                                     | 200 (91)                                      | 50 (23)                     | 50 (23)                     |
|                                                                                     | 200 (91)                                      | 50 (23)                     | 50 (23)                     |
|                                                                                     | 200 (91)                                      | 50 (23)                     | 50 (23)                     |
|                                                                                     | 200 (91)                                      | 50 (23)                     | 50 (23)                     |
|                                                                                     | 350 (159)                                     | 50 (23)                     | 50 (23)                     |
|                                                                                     | 350 (159)                                     | 50 (23)                     | 50 (23)                     |
|                                                                                     | 350 (159)                                     | 50 (23)                     | 50 (23)                     |

# Superstrut support systems

## Loc-King Cobra™ cable and pipe clamp (LKCPC)

Superior design load capabilities for industrial applications:

350 lb for ½ in. to 2 in. trade sizes; 450 lb for 2½ in. to 4 in. trade sizes.

Durable one-piece, heavy-duty steel construction – Designed specifically for use in industrial applications.

- Embosses on shoulder and hooks increase loading capability and durability, preventing deformation of clamps
- Rugged stirrup provides increased strength for heavier loads, minimizing deflection
- Wider saddle design with anti-rotation tabs distributes load evenly over a larger surface area, preventing jacket damage

- Increased corrosion protection – GoldGalv® (yellow zinc dichromate) finish stands up to harsh industrial applications, compared to conventional electrogalvanization
- Parallel hook design keeps conduit and cable square with strut
- Heavy-duty ⅝ in. hex bolt
- One size clamp works on equal trade sizes for both EMT and rigid conduit, simplifying clamp specification



### Loc-King Cobra cable and pipe clamp (LKCPC)

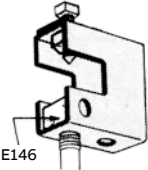


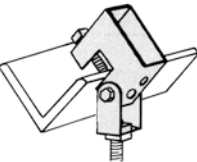
|  | Design load 1<br>static load limit<br>lb (kg) | Design<br>load 2<br>lb (kg) | Design<br>load 3<br>lb (kg) |
|-------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------|-----------------------------|
|                                                                                     | 350 (159)                                     | 50 (23)                     | 50 (23)                     |
|                                                                                     | 350 (159)                                     | 50 (23)                     | 50 (23)                     |
|                                                                                     | 350 (159)                                     | 50 (23)                     | 50 (23)                     |
|                                                                                     | 350 (159)                                     | 50 (23)                     | 50 (23)                     |
|                                                                                     | 350 (159)                                     | 50 (23)                     | 50 (23)                     |
|                                                                                     | 350 (159)                                     | 50 (23)                     | 50 (23)                     |
|                                                                                     | 350 (159)                                     | 50 (23)                     | 50 (23)                     |
|                                                                                     | 450 (204)                                     | 50 (23)                     | 50 (23)                     |
|                                                                                     | 450 (204)                                     | 50 (23)                     | 50 (23)                     |
|                                                                                     | 450 (204)                                     | 50 (23)                     | 50 (23)                     |

Superstrut support systems clamps and hardware

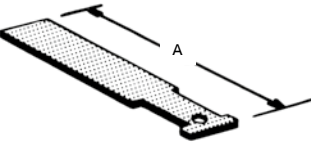
Beam clamps and hanger rods

Beam clamps and hanger rods

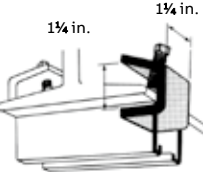
|                                                                                   | Cat. no.  | Rod size (in.) | Design load load/lb |
|-----------------------------------------------------------------------------------|-----------|----------------|---------------------|
|  | U562HDG   | 1/2            | 800                 |
|                                                                                   | UM562HDGC | 1/2            | 1200                |

|                                                                                   | Cat. no.  | Rod size (in.) | Design load load/lb |
|-----------------------------------------------------------------------------------|-----------|----------------|---------------------|
|  | US562HDGC | 1/2            | 800                 |

1/2 in. set screw included.

|                                                                                     | Cat. no. | Beam flange width (in.) | A (in.) |
|-------------------------------------------------------------------------------------|----------|-------------------------|---------|
|  | U568-3EG | 6                       | 9       |
|                                                                                     | U568-4EG | 9                       | 12      |
|                                                                                     | U568-5EG | 12                      | 15      |

16 ga. material.

|                                                                                     | Cat. no. | Design load load/lb |
|-------------------------------------------------------------------------------------|----------|---------------------|
|  | U514HDGC | 750                 |

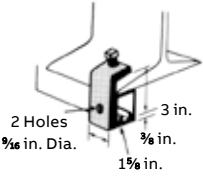
3/8 in. x 1 1/2 in. set screw included.

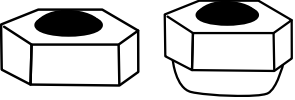


## Superstrut support systems clamps and hardware

### Beam clamps and hanger rods

#### Beam clamps and hanger rods

|                                                                                   | Cat. no. | Design load<br>load/lb |
|-----------------------------------------------------------------------------------|----------|------------------------|
|  | U515HDGC | 800                    |

|                                                                                   | Cat. no.    | Size (in.) |
|-----------------------------------------------------------------------------------|-------------|------------|
|  | ES145-3/8EG | 3/8        |
|                                                                                   | ES145-1/2EG | 1/2        |

|                                                                                     | Cat. no.    | Size (in.) |
|-------------------------------------------------------------------------------------|-------------|------------|
|  | E146-1/4EG  | 1/4        |
|                                                                                     | E146-5/16EG | 5/16       |
|                                                                                     | E146-3/8EG  | 3/8        |
|                                                                                     | E146-1/2EG  | 1/2        |
|                                                                                     | E146-5/8EG  | 5/8        |

|                                                                                     | Cat. no.                      | Size (in.) | Threads<br>per inch | Design load lb |
|-------------------------------------------------------------------------------------|-------------------------------|------------|---------------------|----------------|
|                                                                                     | <b>National coarse thread</b> |            |                     |                |
|  | H104-1/4x10EGC                | 1/4        | 20                  | 150            |
|                                                                                     | H104-3/8x10EGC                | 3/8        | 16                  | 610            |
|                                                                                     | H104-1/2x10EGC                | 1/2        | 13                  | 1130           |
|                                                                                     | H104-5/8x10EGC                | 5/8        | 11                  | 1810           |
|                                                                                     | H104-3/4x10EGC                | 3/4        | 10                  | 2710           |
|                                                                                     | H104-7/8x10EGC                | 7/8        | 9                   | 3770           |

Also available in stainless steel (304 and 316) in length of 6 ft. Standard length 10 ft.

A technical drawing of a hexagonal threaded rod. The rod is shown in perspective, with the hexagonal shape clearly defined. The threaded end is on the left, and the smooth hexagonal end is on the right. A dimension line with arrows at both ends is positioned below the rod, spanning the length of the hexagonal portion. This dimension line is labeled with the letter 'A' in the center, indicating the length of the rod in inches.

Rod size (in.)

A (in.)

1/4

7/8

5/16

7/8

3/8

1 1/8

1/2

1 1/4

5/8

2 1/8

3/4

2 1/4

7/8

2 1/2

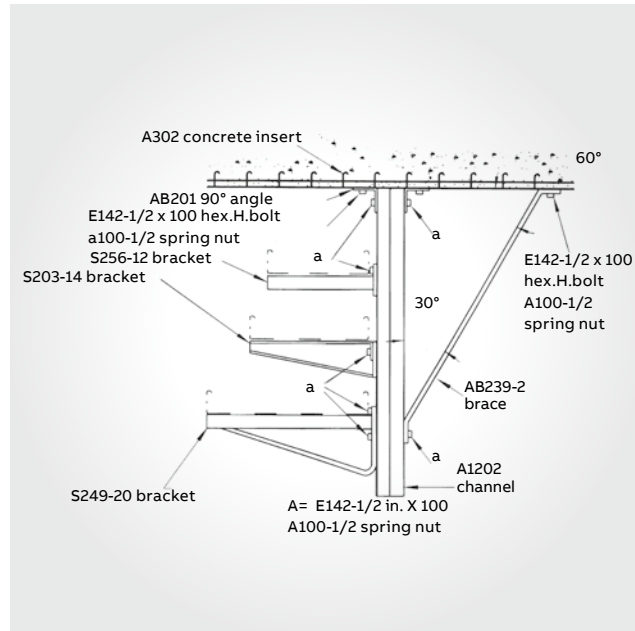
1

2 3/4

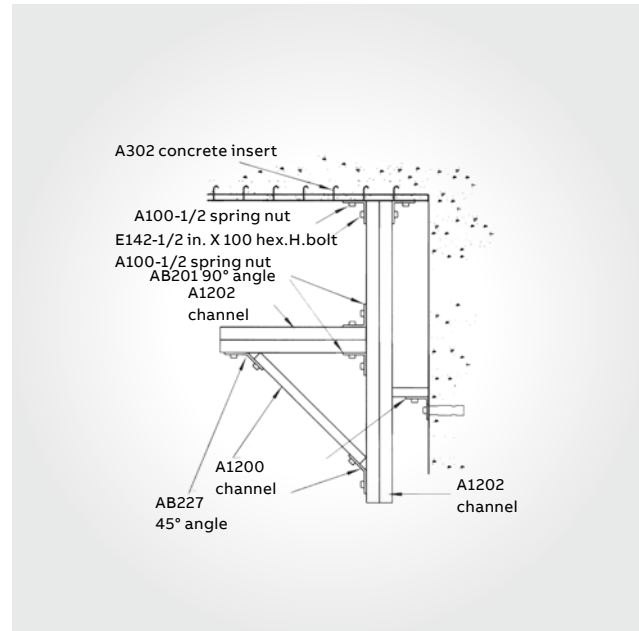
Order by product number, rod size and finish. Example: H119-1/2EGC. Finish and materials: GoldGalv dichromate (no suffix), electrogalvanized (EG), hot-dipped galvanized (HDGC), stainless steel type 316 (SS6C).

## Superstrut® support systems

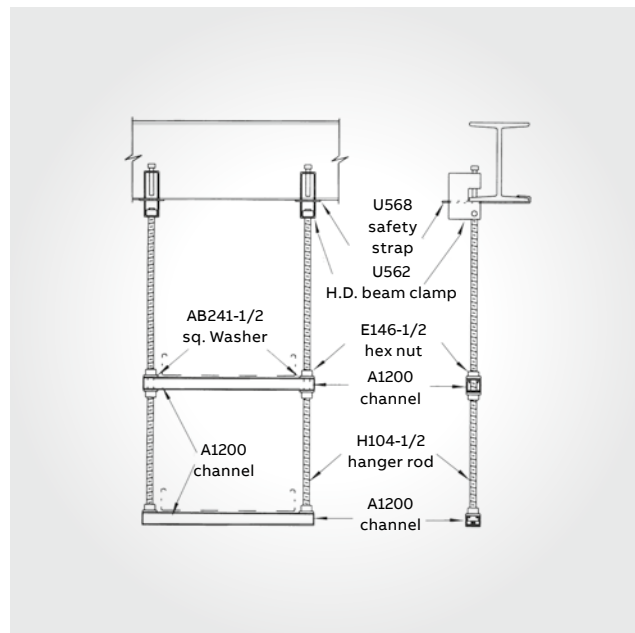
Design applications/mechanical support



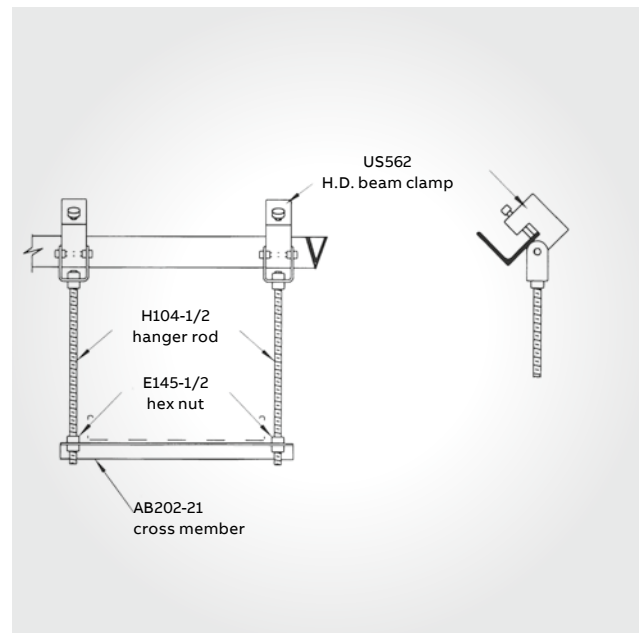
01



02



03



04

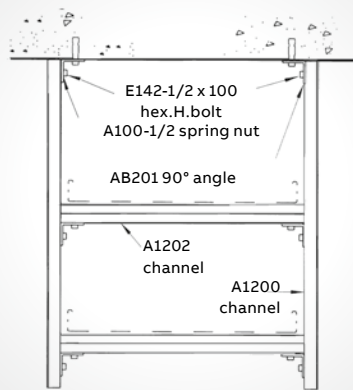
**01 Example 1**  
Suspended column, carrying brackets, braced to the ceiling.

**02 Example 2**  
Suspended column, holding bracket and console braced to wall.

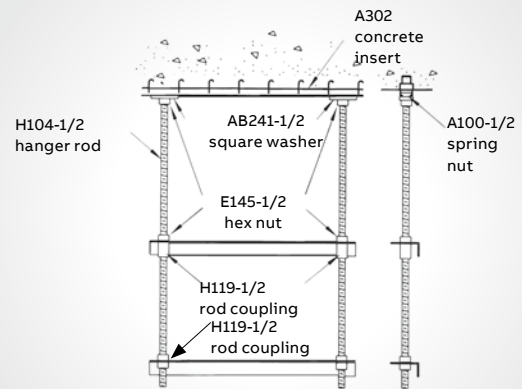
**03 Example 3**  
Trapeze, ABB channels are used as cross members.

**04 Example 4**  
Sketch depicts the use of beam clamps on slanted beams.

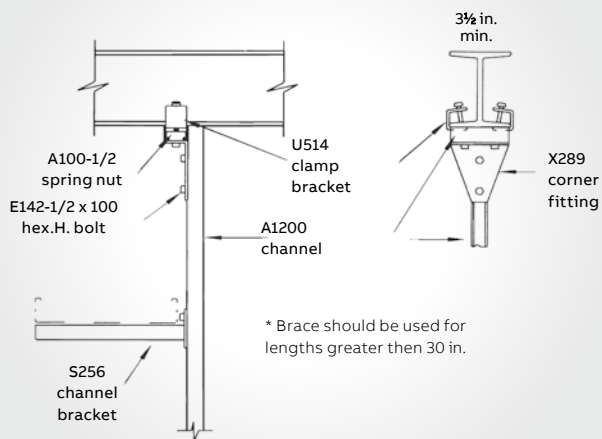
05



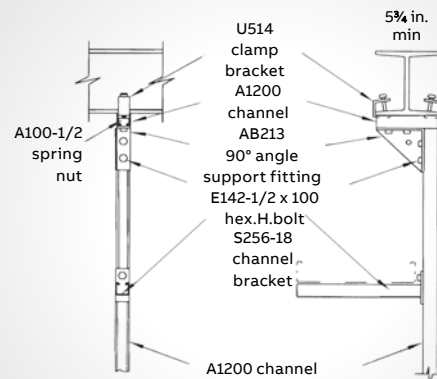
06



07



08

**05 Example 5**

Trapeze, constructed from ABB channels, fittings. The use of spot inserts is shown.

**06 Example 6**

Trapeze, using ABB hanger rods, cross members.

**07 Example 7**

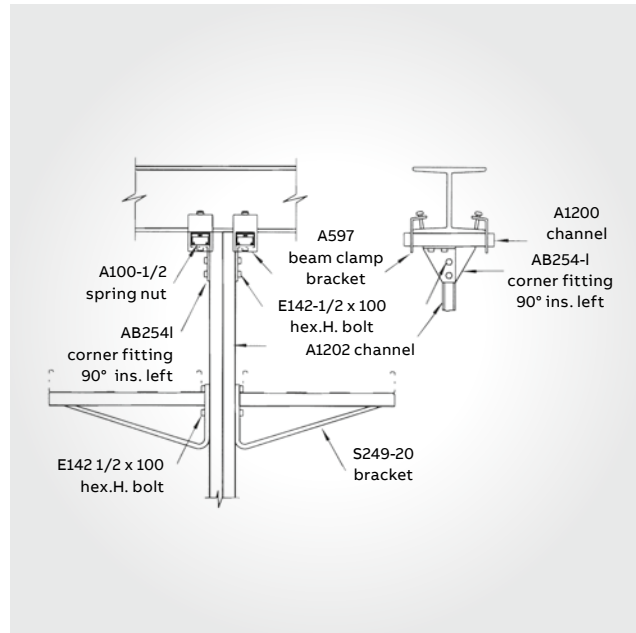
Single-sided bracket application.

**08 Example 8**

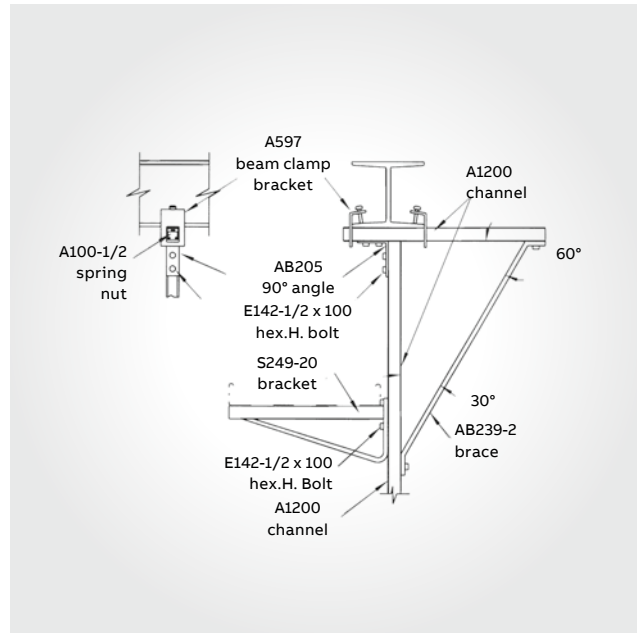
Single-sided bracket application.

## Superstrut support systems

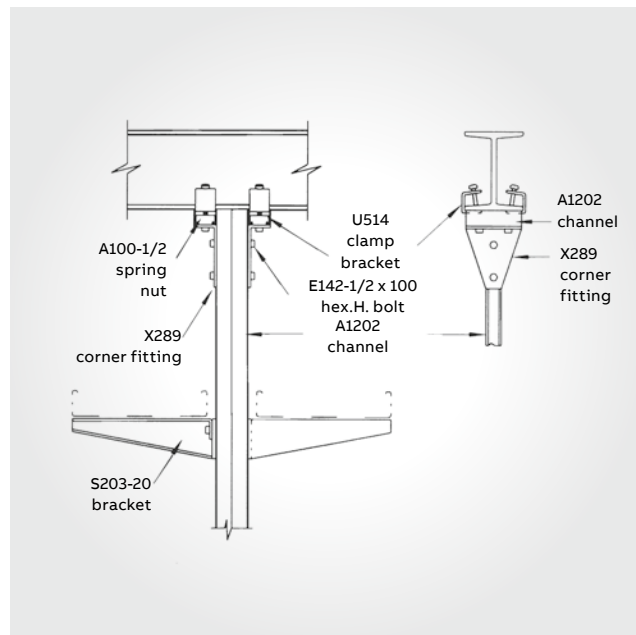
Design applications/mechanical support



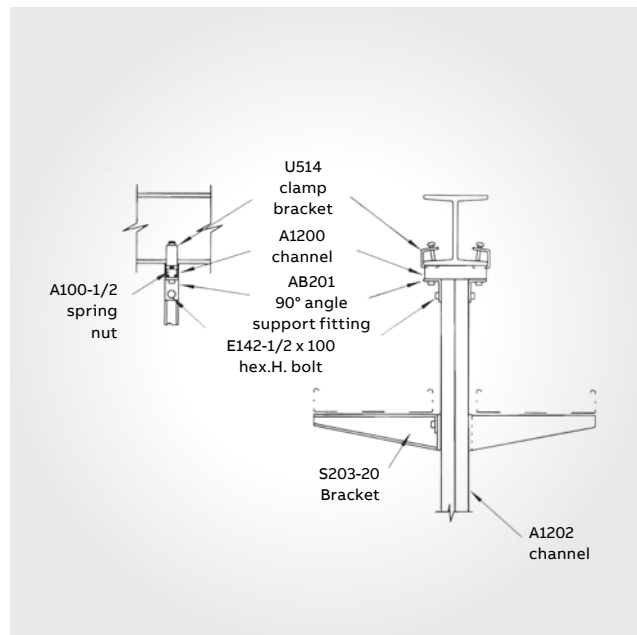
01



02



03



04

01 **Example 9**  
Two-sided heavy-duty application.

02 **Example 10**  
Heavy-duty bracket application.

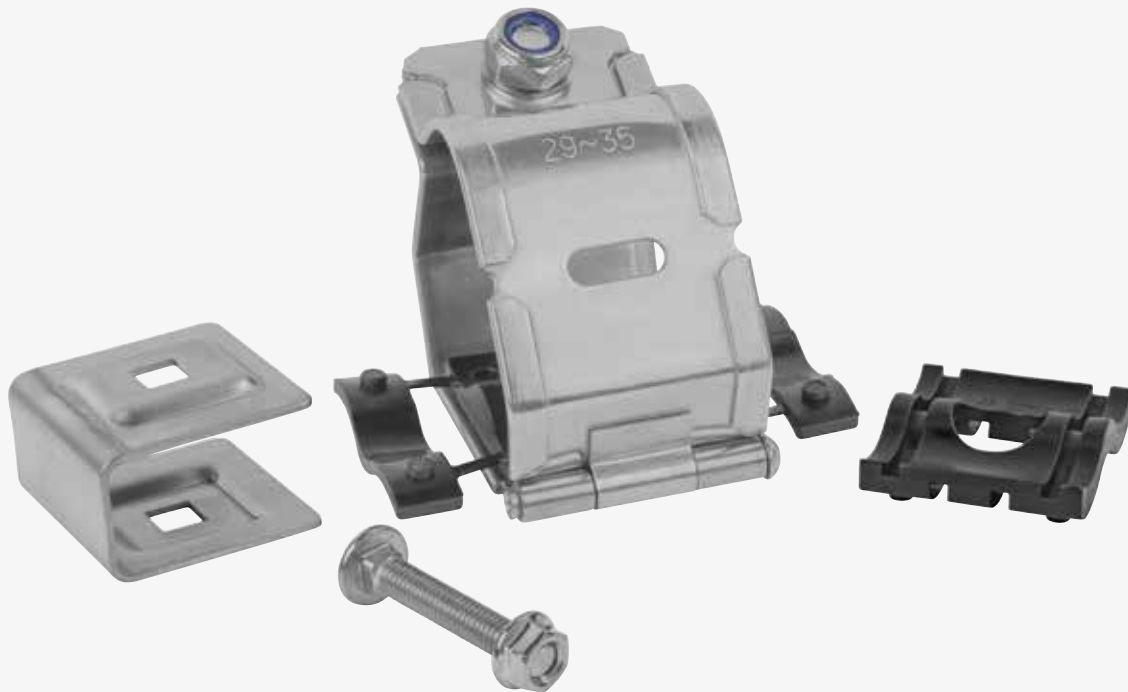
03 **Example 11**  
Brackets parallel to beam.

04 **Example 12**  
Brackets perpendicular to beam.



# Short circuit protection

## Cable cleats solutions



— 01 Before short circuit test

— 02 After short circuit test



— 01



— 02



## Short circuit protection

### Cable cleats solutions



Designed specifically to fit aluminum and steel T&B Cable Tray rungs, new stainless steel 316 cable cleats from ABB retain and support cables within the cable tray. In the event of a short circuit, they also help prevent damage to cables, cable tray and surrounding equipment and reduce the potential for personal injury.

Cable cleats can be used with T&B Cable Tray up to 36" (91 cm) in width. Cleats fit either ladder-style or ventilated tray. Adapter kits are sold separately for non-metallic square-rung tray and AH18 series aluminum tray. Please note that these cable cleats are not rated for use with solid bottom, one-piece, channel, wire basket, non-metallic strut-rung or non-metallic marine tray.

#### Features

- Available for both single and trefoil cable configurations in an array of range-taking sizes
- Cable cleats stainless steel 316 construction for high resistance to corrosion, weathering, abrasion and extreme temperatures
- Suitable for use in operating temperatures from -60 °C to 120 °C (-76 °F to 248 °F)
- Compact design occupies minimal space on cable tray rungs

#### Standards/certifications

- IEC 61914:2015



#### Classification

- Material: Stainless steel 316L
- Temperature range: -60 °C to 120 °C
- Resistance to impact: Very heavy
- Resistance to electromechanical forces: 170 kA peak, 0.33 m spacing, withstanding more than one short circuit
- Resistance to ultraviolet light: No cracks or damage
- Resistance to corrosion: High

#### Technical specifications

- Frame: 55 mm x 1.5 mm marine-grade, non-magnetic 316L stainless steel
- Closure hardware: Captive 316 stainless steel M10 bolt and nylon locknut
- Integral pad: Low-smoke, low-fume, halogen-free
- Tools required to install: Wrench
- Mounting hardware: Supplied with 316 stainless steel cable tray mounting bracket, 3/8" carriage bolt and flange nut

#### Typical applications

- Oil and gas
- Mining
- Utilities



## Cable cleat selection and specification

All power phases in a circuit must be contained within the same cleat. Single cleats are only for use with multi-conductor cable.

**Step 1 — Know your cables.**

- What type of cable is being used? Single- or multi-conductor?
- What is the outside diameter of your cable(s)?

**Step 2 — Know your system.**

- What is the available short circuit current — RMS or peak?
- What type of cable tray is installed?

**Step 3 — Select your cable cleats.**

- ABB cable cleats come with hardware to mount to most standard T&B Cable Tray steel and aluminum ladder trays.
- Adapter kits for use with AH18 series aluminum and non-metallic square-rung cable tray are sold separately.

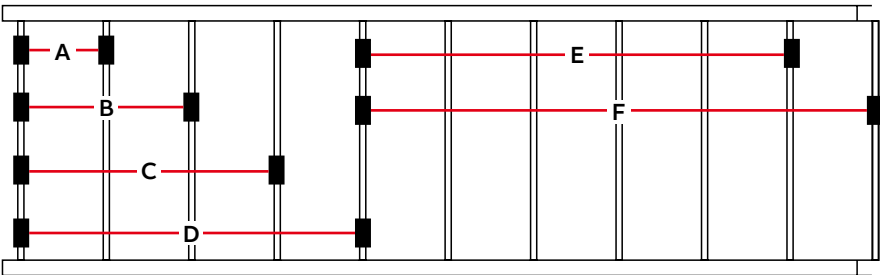
**Step 4 — Determine cleat spacing for installation.**

- Find the value equal to or greater than the available short circuit current for your system.

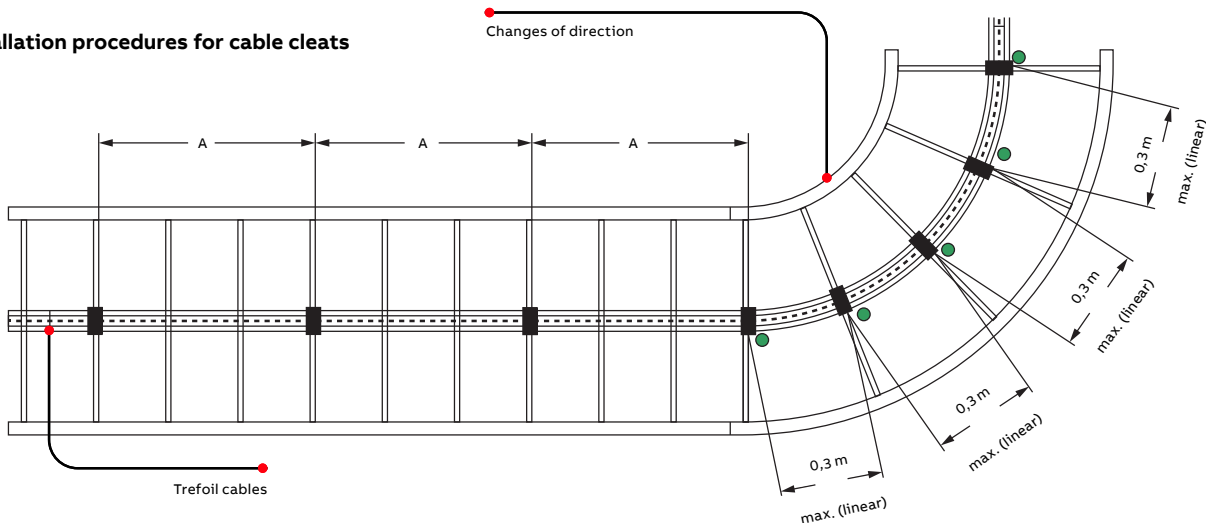
**Cable cleat load rating**

Short circuit peak current rating (kA) based on tray bottom style and cleat positioning

| Tray Bottom Style | Cable cleat positioning |                 |                  |                  |                  |                  |
|-------------------|-------------------------|-----------------|------------------|------------------|------------------|------------------|
|                   | (A) On every rung       | (B) Skip 1 rung | (C) Skip 2 rungs | (D) Skip 3 rungs | (E) Skip 4 rungs | (F) Skip 5 rungs |
| V                 | 170                     | 170             | 145              | 126              | 112              | 102              |
| L06               | 170                     | 154             | 126              | 109              | 97               | 89               |
| L09               | 170                     | 130             | 106              | 92               | -                | -                |
| L12               | 164                     | 116             | 95               | -                | -                | -                |



**Recommended installation procedures for cable cleats**

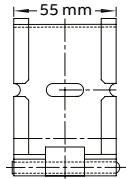
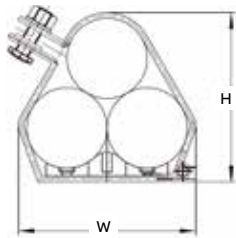




## Ordering information

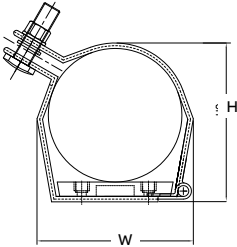
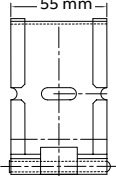
### Cable cleats stainless steel 316 — trefoil style

|          | Cat. no.   | Cable outer diameter |     |         |      | Cleat dimensions |       |       |       |
|----------|------------|----------------------|-----|---------|------|------------------|-------|-------|-------|
|          |            | Minimum              |     | Maximum |      | Height           |       | Width |       |
|          |            | in.                  | mm  | in.     | mm   | in.              | mm    | in.   | mm    |
| Diagrams | ATCC1723   | 0.67                 | 17  | 0.91    | 23   | 2.15             | 54.5  | 2.09  | 53.2  |
|          | ATCC1925   | 0.75                 | 19  | 0.98    | 25   | 2.30             | 58.5  | 2.26  | 57.4  |
|          | ATCC2329   | 0.91                 | 23  | 1.14    | 29   | 2.58             | 65.5  | 2.59  | 65.8  |
|          | ATCC2531   | 0.98                 | 25  | 1.22    | 31   | 2.70             | 68.5  | 2.76  | 70.0  |
|          | ATCC2733   | 1.06                 | 27  | 1.30    | 33   | 2.85             | 72.5  | 2.92  | 74.2  |
|          | ATCC2935   | 1.14                 | 29  | 1.38    | 35   | 3.01             | 76.5  | 3.09  | 78.4  |
|          | ATCC3238   | 1.26                 | 32  | 1.50    | 38   | 3.25             | 82.5  | 3.34  | 84.8  |
|          | ATCC35415  | 1.38                 | 35  | 1.63    | 41.5 | 3.48             | 88.5  | 3.63  | 92.1  |
|          | ATCC38445  | 1.50                 | 38  | 1.75    | 44.5 | 3.68             | 93.5  | 3.87  | 98.4  |
|          | ATCC4248   | 1.65                 | 42  | 1.89    | 48   | 3.98             | 101.0 | 4.16  | 105.7 |
|          | ATCC4551   | 1.77                 | 45  | 2.01    | 51   | 4.19             | 106.5 | 4.41  | 112.0 |
|          | ATCC4753   | 1.85                 | 47  | 2.09    | 53   | 4.31             | 109.5 | 4.59  | 116.6 |
|          | ATCC4955   | 1.93                 | 49  | 2.17    | 55   | 4.49             | 114.0 | 4.74  | 120.4 |
|          | ATCC5157   | 2.01                 | 51  | 2.24    | 57   | 4.63             | 117.5 | 4.91  | 124.6 |
|          | ATCC5359   | 2.09                 | 53  | 2.32    | 59   | 4.78             | 121.5 | 5.07  | 128.8 |
|          | ATCC5561   | 2.17                 | 55  | 2.40    | 61   | 4.94             | 125.5 | 5.24  | 133.0 |
|          | ATCC5763   | 2.24                 | 57  | 2.48    | 63   | 5.08             | 129.0 | 5.40  | 137.2 |
|          | ATCC5965   | 2.32                 | 59  | 2.56    | 65   | 5.22             | 132.5 | 5.57  | 141.4 |
|          | ATCC6167   | 2.40                 | 61  | 2.64    | 67   | 5.37             | 136.5 | 5.73  | 145.6 |
|          | ATCC6369   | 2.48                 | 63  | 2.72    | 69   | 5.52             | 140.3 | 5.90  | 149.8 |
|          | ATCC6571   | 2.56                 | 65  | 2.80    | 71   | 5.67             | 144.0 | 6.06  | 154.0 |
|          | ATCC6773   | 2.64                 | 67  | 2.87    | 73   | 5.82             | 147.7 | 6.23  | 158.2 |
|          | ATCC6975   | 2.72                 | 69  | 2.95    | 75   | 5.96             | 151.4 | 6.39  | 162.4 |
|          | ATCC7177   | 2.80                 | 71  | 3.03    | 77   | 6.11             | 155.2 | 6.56  | 166.6 |
|          | ATCC7379   | 2.87                 | 73  | 3.11    | 79   | 6.26             | 158.9 | 6.72  | 170.8 |
|          | ATCC7581   | 2.95                 | 75  | 3.19    | 81   | 6.40             | 162.6 | 6.89  | 175.0 |
|          | ATCC7783   | 3.03                 | 77  | 3.27    | 83   | 6.55             | 166.4 | 7.06  | 179.2 |
|          | ATCC7985   | 3.11                 | 79  | 3.35    | 85   | 6.70             | 170.1 | 7.22  | 183.4 |
|          | ATCC8187   | 3.19                 | 81  | 3.43    | 87   | 6.84             | 173.8 | 7.39  | 187.6 |
|          | ATCC8389   | 3.27                 | 83  | 3.50    | 89   | 6.98             | 177.4 | 7.55  | 191.8 |
|          | ATCC8692   | 3.39                 | 86  | 3.62    | 92   | 7.21             | 183.2 | 7.80  | 198.1 |
|          | ATCC8896   | 3.47                 | 88  | 3.78    | 96   | 7.50             | 190.6 | 8.07  | 205.0 |
|          | ATCC9199   | 3.58                 | 91  | 3.90    | 99   | 7.72             | 196.2 | 8.38  | 212.8 |
|          | ATCC96103  | 3.78                 | 96  | 4.06    | 103  | 8.02             | 203.7 | 8.71  | 221.2 |
|          | ATCC99107  | 3.90                 | 99  | 4.21    | 107  | 8.32             | 211.2 | 9.04  | 229.6 |
|          | ATCC103111 | 4.06                 | 103 | 4.37    | 111  | 8.61             | 218.6 | 9.37  | 238.0 |
|          | ATCC107115 | 4.21                 | 107 | 4.53    | 115  | 8.90             | 226.1 | 9.70  | 246.4 |
|          | ATCC111119 | 4.37                 | 111 | 4.69    | 119  | 9.20             | 233.6 | 10.03 | 254.8 |
|          | ATCC115123 | 4.53                 | 115 | 4.84    | 123  | 9.49             | 241.0 | 10.36 | 263.1 |
|          | ATCC119129 | 4.69                 | 119 | 5.08    | 129  | 9.93             | 252.2 | 10.85 | 275.7 |

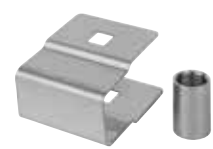


Ordering information

Cable cleats stainless steel 316 — single cable style (only for use with multi-conductor cable)

|                                                                                    |            | Cable outer diameter |     |         |     | Cleat dimensions |       |       |       |
|------------------------------------------------------------------------------------|------------|----------------------|-----|---------|-----|------------------|-------|-------|-------|
|                                                                                    |            | Minimum              |     | Maximum |     | Height           |       | Width |       |
|                                                                                    |            | in.                  | mm  | in.     | mm  | in.              | mm    | in.   | mm    |
| Diagrams                                                                           | ASCC2832   | 1.10                 | 28  | 1.26    | 32  | 1.81             | 46.0  | 1.84  | 46.7  |
|                                                                                    | ASCC3034   | 1.18                 | 30  | 1.34    | 34  | 1.89             | 48.0  | 1.87  | 47.4  |
|   | ASCC3236   | 1.26                 | 32  | 1.42    | 36  | 1.97             | 50.0  | 1.87  | 47.4  |
|                                                                                    | ASCC3438   | 1.34                 | 34  | 1.50    | 38  | 2.05             | 52.0  | 1.95  | 49.5  |
|  | ASCC3640   | 1.42                 | 36  | 1.58    | 40  | 2.13             | 54.0  | 2.03  | 51.5  |
|                                                                                    | ASCC3842   | 1.50                 | 38  | 1.65    | 42  | 2.21             | 56.0  | 2.11  | 53.6  |
|                                                                                    | ASCC4044   | 1.58                 | 40  | 1.73    | 44  | 2.28             | 58.0  | 2.30  | 58.4  |
|                                                                                    | ASCC4246   | 1.65                 | 42  | 1.81    | 46  | 2.36             | 60.0  | 2.33  | 59.1  |
|                                                                                    | ASCC4448   | 1.73                 | 44  | 1.89    | 48  | 2.45             | 62.1  | 2.35  | 59.8  |
|                                                                                    | ASCC4650   | 1.81                 | 46  | 1.97    | 50  | 2.52             | 64.0  | 2.44  | 61.9  |
|                                                                                    | ASCC4852   | 1.89                 | 48  | 2.05    | 52  | 2.60             | 66.0  | 2.52  | 63.9  |
|                                                                                    | ASCC5054   | 1.97                 | 50  | 2.13    | 54  | 2.68             | 68.0  | 2.60  | 66.0  |
|                                                                                    | ASCC5256   | 2.05                 | 52  | 2.21    | 56  | 2.70             | 68.5  | 2.68  | 68.0  |
|                                                                                    | ASCC5458   | 2.13                 | 54  | 2.28    | 58  | 2.84             | 72.0  | 2.76  | 70.1  |
|                                                                                    | ASCC5660   | 2.21                 | 56  | 2.36    | 60  | 2.91             | 74.0  | 2.84  | 72.1  |
|                                                                                    | ASCC5862   | 2.28                 | 58  | 2.44    | 62  | 2.99             | 76.0  | 2.92  | 74.2  |
|                                                                                    | ASCC6064   | 2.36                 | 60  | 2.52    | 64  | 3.07             | 78.0  | 3.00  | 76.3  |
|                                                                                    | ASCC6266   | 2.44                 | 62  | 2.60    | 66  | 3.15             | 80.0  | 3.09  | 78.4  |
|                                                                                    | ASCC6468   | 2.52                 | 64  | 2.68    | 68  | 3.23             | 82.0  | 3.17  | 80.4  |
|                                                                                    | ASCC6670   | 2.60                 | 66  | 2.76    | 70  | 3.31             | 84.0  | 3.25  | 82.5  |
|                                                                                    | ASCC6872   | 2.68                 | 68  | 2.84    | 72  | 3.39             | 86.0  | 3.33  | 84.6  |
|                                                                                    | ASCC7074   | 2.76                 | 70  | 2.91    | 74  | 3.41             | 86.5  | 3.41  | 86.6  |
|                                                                                    | ASCC7276   | 2.84                 | 72  | 2.99    | 76  | 3.54             | 90.0  | 3.49  | 88.7  |
|                                                                                    | ASCC7478   | 2.91                 | 74  | 3.07    | 78  | 3.62             | 92.0  | 3.57  | 90.7  |
|                                                                                    | ASCC7680   | 2.99                 | 76  | 3.15    | 80  | 3.70             | 94.0  | 3.63  | 92.3  |
|                                                                                    | ASCC7882   | 3.07                 | 78  | 3.23    | 82  | 3.78             | 96.0  | 3.74  | 94.9  |
|                                                                                    | ASCC8084   | 3.15                 | 80  | 3.31    | 84  | 3.86             | 98.0  | 3.82  | 96.9  |
|                                                                                    | ASCC8286   | 3.23                 | 82  | 3.39    | 86  | 3.94             | 100.0 | 3.90  | 99.0  |
|                                                                                    | ASCC8488   | 3.31                 | 84  | 3.47    | 88  | 4.02             | 102.0 | 3.98  | 101.1 |
|                                                                                    | ASCC8690   | 3.39                 | 86  | 3.54    | 90  | 4.09             | 104.0 | 4.06  | 103.1 |
|                                                                                    | ASCC8892   | 3.47                 | 88  | 3.62    | 92  | 4.17             | 106.0 | 4.14  | 105.2 |
|                                                                                    | ASCC9094   | 3.54                 | 90  | 3.70    | 94  | 4.25             | 108.0 | 4.22  | 107.2 |
|                                                                                    | ASCC9296   | 3.62                 | 92  | 3.78    | 96  | 4.33             | 110.0 | 4.30  | 109.3 |
|                                                                                    | ASCC94106  | 3.70                 | 94  | 4.17    | 106 | 4.72             | 120.0 | 4.71  | 119.6 |
|                                                                                    | ASCC100112 | 3.94                 | 100 | 4.41    | 112 | 4.96             | 126.0 | 4.95  | 125.8 |
|                                                                                    | ASCC106118 | 4.17                 | 106 | 4.65    | 118 | 5.20             | 132.0 | 5.20  | 132.0 |
|                                                                                    | ASCC112124 | 4.41                 | 112 | 4.88    | 124 | 5.43             | 138.0 | 5.44  | 138.2 |
|                                                                                    | ASCC118130 | 4.65                 | 118 | 5.12    | 130 | 5.61             | 142.5 | 5.69  | 144.4 |
|                                                                                    | ASCC127139 | 5.00                 | 127 | 5.47    | 139 | 6.02             | 153.0 | 6.05  | 153.6 |
|                                                                                    | ASCC132144 | 5.20                 | 132 | 5.67    | 144 | 6.22             | 158.0 | 6.25  | 158.8 |
|                                                                                    | ASCC138150 | 5.43                 | 138 | 5.91    | 150 | 6.46             | 164.0 | 6.50  | 165.0 |

Ordering information



Adapter kits

| Cat. no.  | Description                                                          | For use with T&B Cable Tray type |
|-----------|----------------------------------------------------------------------|----------------------------------|
| ABBCCBSRT | AH18 Series kit includes: bolt, channel spring nut and square washer | AH18 Series aluminum             |
| ABBCCBSR  | Kit for non-metallic cable tray includes: bracket and round spacer   | Non-metallic square rung         |



Replacement Parts

| Cat. no. | Description      | For use with cable cleat type |
|----------|------------------|-------------------------------|
| ABBCCHDW | M10 bolt and nut | All series                    |

