

Cable Tray

CT2D-15

B-LINE
SERIES

Tray2DaySM cable tray service program





Energizing a world that demands more.

We deliver:

- **Electrical solutions** that use less energy, improve power reliability and make the places we live and work safer and more comfortable
- **Hydraulic and electrical solutions** that enable machines to deliver more productivity without wasting power
- **Aerospace solutions** that make aircraft lighter, safer and less costly to operate, and help airports operate more efficiently
- **Vehicle drivetrain and powertrain solutions** that deliver more power to cars, trucks and buses, while reducing fuel consumption and emissions

Discover today's Eaton.

Powering business worldwide

As a global power management company, we help customers worldwide manage the power needed for buildings, aircraft, trucks, cars, machinery and businesses.

Eaton's innovative technologies help customers manage electrical, hydraulic and mechanical power more reliably, efficiently, safely and sustainably.

We provide integrated solutions that help make energy, in all its forms, more practical and accessible.

With 2014 sales of \$22.6 billion, Eaton has approximately 100,000 employees around the world and sells products in more than 175 countries.

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Tray2DaySM Service Program - Rules & Procedures

The Tray2Day Service Program is designed to meet the customer's most urgent delivery needs for cable tray product. This new program provides customers the flexibility to order cable tray quickly for small projects or a few last minute pieces required to finish a large project. The service program represents a variety of sizes and load classes to satisfy a wide range of applications. The products within this brochure are the cable tray products that are eligible for the program. No other B-Line series products are eligible for this service. To learn more about the Tray2Day program, please contact your local Eaton B-Line representative.

Who is eligible for the Tray2Day Service Program?

All Eaton B-Line distributors are eligible for the Tray2Day Service Program.

What B-Line series products are included in the Tray2Day Service Program?

The Tray2Day Service Program will include only the products shown in this brochure which include the most popular sizes from the KwikSpliceTM, REDI-RAILTM, and Series 2 thru 5 Aluminum cable tray product offerings. No other products from B-Line are eligible to be included in this program.

What are the Tray2Day Service Program quantity limits?

Tray2Day orders are limited to the following maximum quantities, subject to availability.

- (50) 12 ft. long straight sections or (25) 20 ft. long straight sections
- (5) horizontal tee fittings
- (5) horizontal cross fittings
- (10) horizontal bend fittings
- (10) vertical bend fittings
- (5) universal fittings (KwikSpliceTM and REDI-RAILTM only)

What are the Tray2Day Service Program ordering and shipping guidelines?

- Orders placed before noon (CST) will ship the next business day, subject to availability.
- Orders placed after noon (CST) will ship the second business day.
- All Tray2Day orders must be quoted through the B-Line quotes department with "Tray2Day" service specified at time of request.
- Purchase order documents must specify "Tray2Day" and include a valid "Tray2Day" quote number.

Please note: Tray2Day must be specified at the time of order entry in order for the cable tray product to receive this service. If it is not specified, it will be handled as a standard order.

How do I request a quote and get started with an order?

Contact the B-Line Quotes department at 1-800-851-7415 to place your order today.



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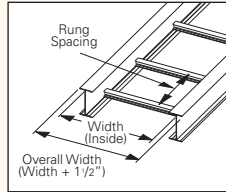
KwikSplice™ - Tray, Accessories, & Fittings

KSA4A and KSA5A Straight Sections - NEMA 12A

Straight Section Part Numbering

Prefix
Example: **KS A 4 A 09 - 12 - 144**

| Series | NEMA Class | Height | Material | Type | Width | Length |
|--------|--|--------|--------------|---|--|--------------|
| KS | A = 50 Lbs/Ft NEMA 12A (12 ft. span) | 4 = 4" | A = Aluminum | Ladder- 06 = 6" rung spacing 09 = 9" rung spacing 12 = 12" rung spacing | 06 = 6" 09 = 9" 12 = 12" 18 = 18" 24 = 24" 30 = 30" 36 = 36" | 144 = 12 ft. |

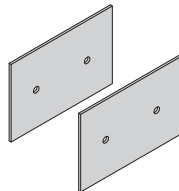


Values are based on simple beam tests per VE-1 on 36" wide cable tray with rungs spaced on 12" centers. The published load safety factor is 1.5. To convert 1.5 safety factor to 2.0, multiply the published load by 0.75. To obtain mid-span deflection, multiply a load by the deflection multiplier. Cable tray must be supported on spans shorter than or equal to the length of the tray.

| B-Line Series Side Rail Dimensions | NEMA, CSA & UL Classifications | Span ft | Load lbs/ft | Deflection Multiplier | Design Factors for Two Rails | Span meters | Load kg/m | Deflection Multiplier | Design Factors for Two Rails |
|---------------------------------------|--|------------|----------------|--------------------------|---|----------------|--------------|--------------------------|---|
| | NEMA: 12A CSA: C-3m UL Cross-Sectional Area: 0.60 in ² | 6 | 221 | 0.0016 | Area = 0.80 in ² Sx = 0.90 in ³ Ix = 1.79 in ⁴ | 1.8 | 328 | 0.028 | Area = 5.16 cm ² Sx = 14.75 cm ³ Ix = 74.51 cm ⁴ |
| | | 8 | 124 | 0.0051 | | 2.4 | 185 | 0.088 | |
| | | 10 | 79 | 0.0126 | | 3.0 | 125 | 0.215 | |
| | | 12 | 55 | 0.0261 | | 3.7 | 82 | 0.445 | |

Standard Splice Plates

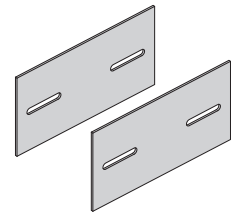
- Furnished in pairs with 1/4" hardware.
- UL Classified.
- One pair including hardware provided with each straight section.



| Tray Series | Catalog No. |
|-------------|-------------|
| KS_4A | KS4A-SSP |

Expansion Splice Plates

- Furnished in pairs with 1/4" hardware.
- Bonding jumper required.

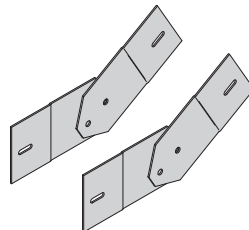


| Tray Series | Catalog No. |
|-------------|-------------|
| KS_4A | KS4A-ESP |

Vertical Adjustable Splice Plates

- Furnished in pairs with 1/4" hardware.
- UL Classified.

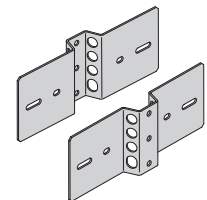
Requires supports within 24" on both sides, per NEMA VE 2.



| Tray Series | Catalog No. |
|-------------|-------------|
| KS_4A | KS4A-VSP |

Horizontal Adjustable Splice Plates

- Furnished in pairs with 1/4" hardware.
- Horizontally adjustable to 90°.
- Vertically adjustable to 15°.
- UL Classified.

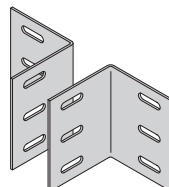


Requires supports within 24" on both sides, per NEMA VE 2.

| Tray Series | Catalog No. |
|-------------|-------------|
| KS_4A | KS4A-FSP |

Tray To Box Splice Plates

- Furnished in pairs with 1/4" hardware.
- UL Classified.



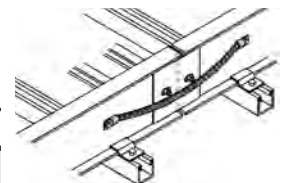
| Tray Series | Catalog No. |
|-------------|-------------|
| KS_4A | KS4A-TTB |

Bonding Jumper

- Furnished with 1/4" hardware.
- UL Classified.



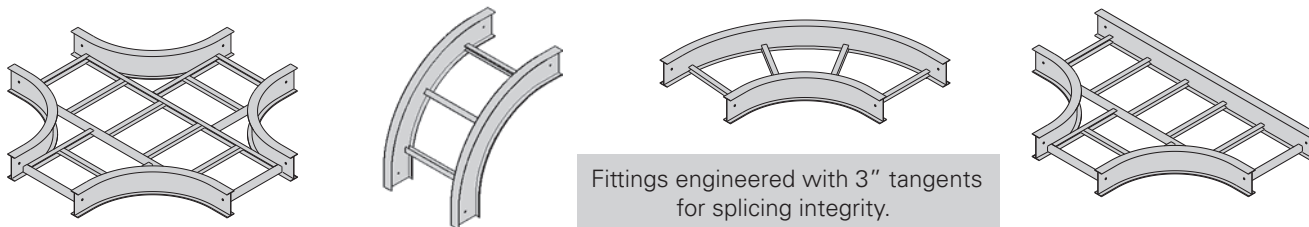
| Ampacity | Catalog No. |
|----------|-------------|
| 1200 | 99-30 |



All dimensions in parentheses are millimeters unless otherwise specified.

KwikSplice™ - Tray, Accessories, & Fittings

Fittings For KSA4A

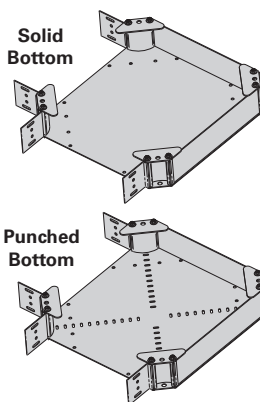


Fitting Part Numbering

| Prefix | | | | | | | |
|---|--------|--------------|-----------------------------------|--|--|--|----------------------|
| Example: KS 4 A 09 - 12 - 90 HB 24 | | | | | | | |
| Series | Height | Material | Type | Width | Angle* | Fitting Type | Radius |
| KS = KwikSplice | 4 = 4" | A = Aluminum | Ladder 09 = 9" rung spacing | 06 = 6" 09 = 9" 12 = 12" 18 = 18" 24 = 24" 30 = 30" 36 = 36" | 30 = 30° 45 = 45° 60 = 60° 90 = 90° | *HB = Horizontal Bend HT = Horizontal Tee HX = Horizontal Cross *VI = Vertical Inside Bend *VO = Vertical Outside Bend | 12 = 12" 24 = 24" |

Universal Fitting

- Aluminum construction.
- 2" smooth radius.
- UL Classified.
- Shipped as a 90° horizontal bend.
- Field modify to create a tee or cross.
- Includes four pairs of toolless hinge splice plates.
- Patent Pending.

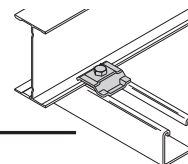
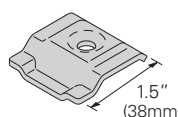


| Tray Series | Catalog No. |
|-------------|------------------------------|
| Punched | Solid |
| KS_4A | KS4A-UF-(t) KS4ASB-UF-(t) |

(t) Insert Tray Width 6" (152mm) to 36" (914mm)

Clamp/Guide

- Features a no-twist design.
- Each side is labeled to ensure proper installation.
- Designed for 1/4" hardware.
- Furnished in pairs with or without hardware.



Catalog No.

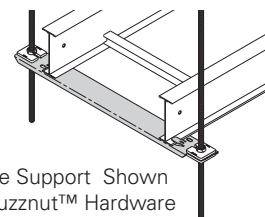
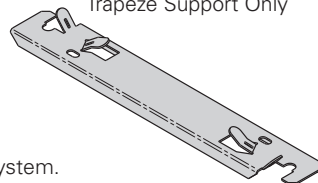
| |
|------------------------------------|
| 9ZN-1204 (without hardware) |
| 9ZN-1204NB (with hardware) |

Patent No.
RE35479

Tab & Lock Trapeze Support

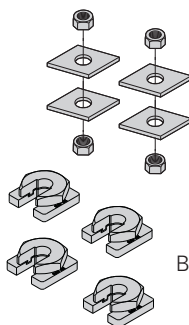
- Hardware purchased separately.
- Accepts up to 3/8" rod.
- Accepts traditional hold down clamps (9ZN-1204) if necessary.
- Ability to adjust tabs with flat head screw driver (not included).
- Tabs clamp cable tray to trapeze support.
- Load capacity: Rated for maximum load of KwikSplice cable tray system.
- Corrosion resistant pre-galvanized zinc finish.
- Other finishes available upon request.

Trapeze Support Only



Trapeze Support Shown
With Buzznut™ Hardware

| Hardware | Qty. | Catalog No |
|----------|------|----------------|
| Standard | (4) | B201 |
| | (4) | 3/8" HN |
| or | | |
| Buzznut | (4) | SLWN3/8 |



Standard Hardware

Buzznut™ Hardware

| Catalog No. | Tray Width | |
|-----------------|------------|-------|
| | in. | (mm) |
| KSA-6CT | 6 | (152) |
| KSA-9CT | 9 | (229) |
| KSA-12CT | 12 | (305) |
| KSA-18CT | 18 | (457) |
| KSA-24CT | 24 | (610) |
| KSA-30CT | 30 | (762) |
| KSA-36CT | 36 | (914) |

All dimensions in parentheses are millimeters unless otherwise specified.

REDI-RAIL™ - Tray, Accessories, & Fittings

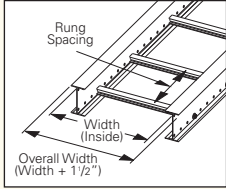
RSI05A Straight Sections- NEMA 12C

Straight Section Part Numbering

Prefix

Example: **RSI 05 A 075KO 09 SL - 12 - 120**

| Series | Height | Material | Knockout Type | Bottom Type | Construction | Width | Length |
|--------|---------|--------------|---|---|----------------------------|--|--|
| RSI | 05 = 5" | A = Aluminum | Blank = None 050KO = 1/2" KO 075KO = 3/4" KO 100KO = 1" KO | Ladder- 06 = 6" rung spacing 09 = 9" rung spacing 12 = 12" rung spacing | SL = Straight Ladder | 06 = 6" 09 = 9" 12 = 12" 18 = 18" 24 = 24" 30 = 30" 36 = 36" | [ⓐ] 144 = 12 ft. [ⓑ] 120 = 10 ft. [ⓐ] Primary [ⓑ] Secondary |

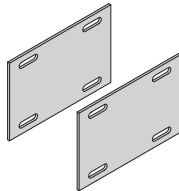


| B-Line Series | Side Rail Dimensions | NEMA, CSA & UL Classifications | Span ft | Load lbs/ft | Deflection Multiplier | Design Factors for Two Rails | Span meters | Load kg/m | Deflection Multiplier | Design Factors for Two Rails |
|---------------|----------------------|---|---------|-------------|-----------------------|------------------------------|-------------|-----------|-----------------------|------------------------------|
| RSI05A | | NEMA: 12B CSA: 123kg/m 3.7m UL Cross-Sectional Area: 0.60 in² | 6 | 224 | 0.0008 | Area=1.08 in² | 1.8 | 333 | 0.014 | Area=6.95 cm² |
| | | | 8 | 187 | 0.0026 | Sx=1.55 in³ | 2.4 | 278 | 0.045 | Sx=25.40 cm³ |
| | | | 10 | 119 | 0.0064 | Ix=3.53 in⁴ | 3.0 | 178 | 0.109 | Ix=147.00 cm⁴ |
| | | | 12 | 83 | 0.0132 | | 3.7 | 123 | 0.225 | |

When cable trays are used in continuous spans, the deflection of the cable tray is reduced by as much as 50%.
Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Standard Splice Plates

- Furnished in pairs with 1/4" hardware.
- UL Classified.
- One pair including hardware provided with each straight section.

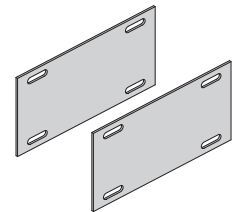


Tray Series Catalog No.

RSI05A R5A-SSP

Expansion Splice Plates

- Furnished in pairs with 1/4" hardware.
- Bonding jumper required.



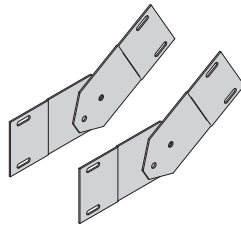
Tray Series Catalog No.

RSI05A R5A-ESP

Vertical Adjustable Splice Plates

- Furnished in pairs with 1/4" hardware.
- UL Classified.

Requires supports within 24" on both sides, per NEMA VE 2.

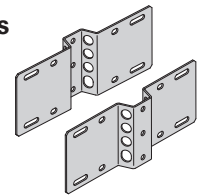


Tray Series Catalog No.

RSI05A R5A-VSP

FLEX-MOUNT™ Adjustable Splice Plates

- Furnished in pairs with 1/4" hardware.
- Horizontally adjustable to 90°.
- Vertically adjustable to 15°.
- UL Classified.



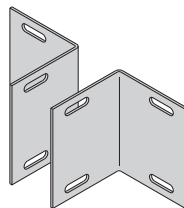
Tray Series Catalog No.

RSI05A R5A-FSP

Requires supports within 24" on both sides, per NEMA VE 2.

Tray To Box Splice Plates

- Furnished in pairs with 1/4" hardware.
- UL Classified.



Tray Series Catalog No.

RSI05A R5A-TTB

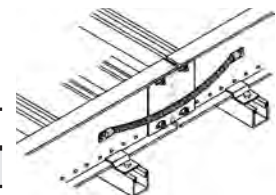
Bonding Jumper

- Furnished with 1/4" hardware.
- UL Classified.



Ampacity Catalog No.

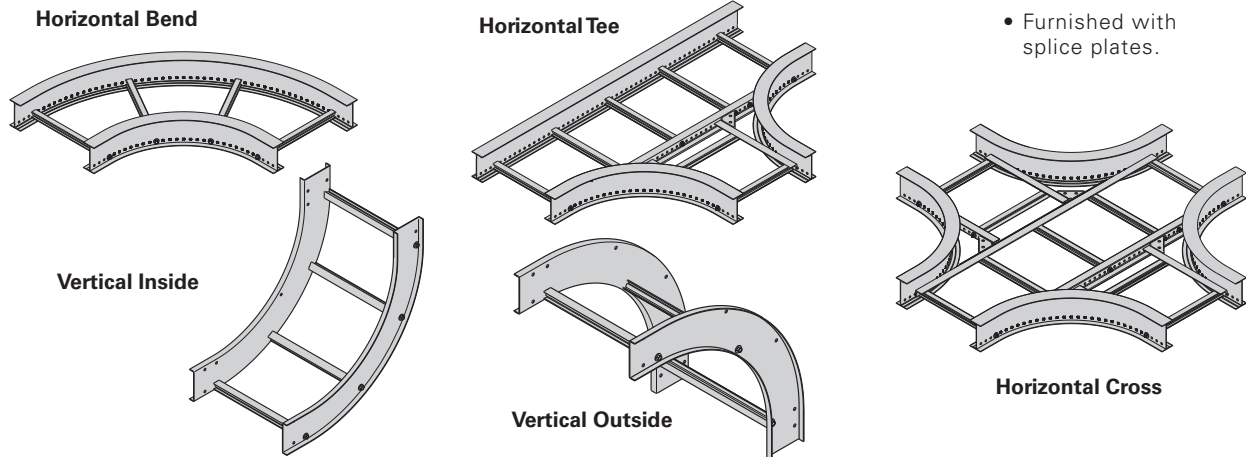
1200 99-30



All dimensions in parentheses are millimeters unless otherwise specified.

REDI-RAIL™ - Tray, Accessories, & Fittings

Fittings For RSI05A

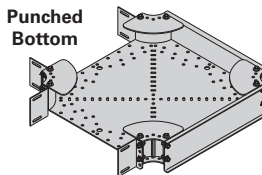
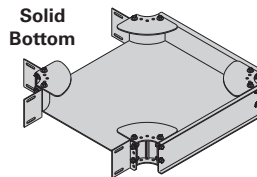


Fittings Part Numbering

| Prefix | | Suffix | | | | |
|------------------------------------|---------|--------------------------------|---|--|--|------------------------|
| Example: RSI 05 A09 | | HB - 09 - 30 R12 | | | | |
| Series | Height | Material | Fitting Type | Width | Angle | Radius |
| RSI | 05 = 5" | Aluminum 9" Rung Spacing | HB = Horizontal Bend *HT = Horizontal Tee *HX = Horizontal Cross VI = Vertical Inside Bend VO = Vertical Outside Bend | 06 = 6" 09 = 9" 12 = 12" 18 = 18" 24 = 24" 30 = 30" 36 = 36" | 30 = 30° 45 = 45° 60 = 60° 90 = 90° | R12 = 12" R24 = 24" |
| *Angle not required in part number | | | | | | |

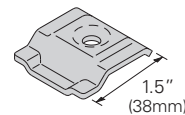
Universal Fitting

- Aluminum construction.
- 3" smooth radius.
- UL Classified.
- Shipped as a 90° horizontal bend.
- Field modify to create a tee or cross.
- Includes four pairs of splice plates.
- Accommodates Rail-Riser™.
- Patent Pending.

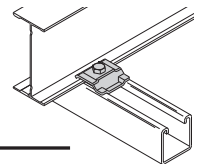


Clamp/Guide

- Features a no-twist design.
- Each side is labeled to ensure proper installation.
- Designed for 1/4" hardware.
- Furnished in pairs with or without hardware.



Patent No.
RE35479



Catalog No.

9ZN-1204 (without hardware)

9ZN-1204NB (with hardware)

| Tray Series | Catalog No. Punched | Catalog No. Solid |
|-------------|------------------------|----------------------|
| RSI05A | R5A-UF-(t) | R5ASB-UF-(t) |

(t) Insert Tray Width 6" (152mm) to 36" (914mm)

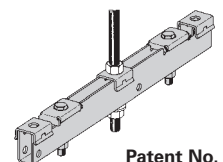
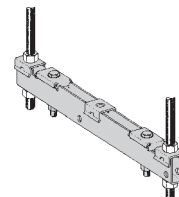
Support Bracket

- Designed for center hung or trapeze supports.
- Can be purchased as a wall mounted bracket.
- Load capacity is 600 lbs. (272.1 kg), safety factor 3.
- All components are zinc plated.
- 1/2" threaded rod and 1/2" hex nuts not included.

Catalog No. Center Hung or Trapeze

For Cable Tray Width

| | in. | mm |
|----------|-----|-----|
| 9ZN-5106 | 6 | 152 |
| 9ZN-5109 | 9 | 226 |
| 9ZN-5112 | 12 | 305 |
| 9ZN-5118 | 18 | 452 |
| 9ZN-5124 | 24 | 609 |



Patent No.
5,100,086

All dimensions in parentheses are millimeters unless otherwise specified.

Light Duty Aluminum - Tray, Accessories, & Fittings

24A Straight Sections - NEMA 12C

Example: **24 A 09 - 24 - 144**

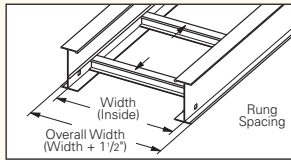
Series
24

Material
A = Aluminum

Ladder Type
06 = 6" rung spacing
09 = 9" rung spacing
12 = 12" rung spacing

Width
06 = 6"
09 = 9"
12 = 12"
18 = 18"
24 = 24"
30 = 30"
36 = 36"

Length
144 = 12 ft.

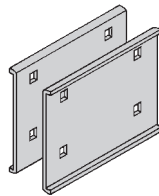


| B-Line Series | Side Rail Dimensions | NEMA, CSA & UL Classifications | Span ft | Load lbs/ft | Deflection Multiplier | Design Factors for Two Rails | Span meters | Load kg/m | Deflection Multiplier | Design Factors for Two Rails |
|---------------|----------------------|--|-----------|-------------|-----------------------|---|-------------|-----------|-----------------------|--|
| 24 | | NEMA: 16A, 12C CSA: D1-3m UL Cross-Sectional Area: 1.00 in ² | 6 | 487 | 0.001 | Area=1.05 in ² Sx=1.34 in ³ Ix=2.85 in ⁴ | 1.8 | 725 | 0.017 | Area=6.77 cm ² Sx=21.96 cm ³ Ix=118.63 cm ⁴ |
| | | | 8 | 284 | 0.003 | | 2.4 | 422 | 0.055 | |
| | | | 10 | 181 | 0.008 | | 3.0 | 270 | 0.135 | |
| | | | 12 | 126 | 0.016 | | 3.7 | 187 | 0.279 | |
| | | | 14 | 93 | 0.030 | | 4.3 | 138 | 0.518 | |
| | | | 16 | 71 | 0.052 | | 4.9 | 105 | 0.883 | |

When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%.
Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Wedge Lock Splice Plates

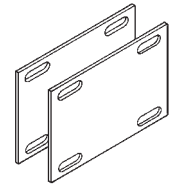
- One pair/hardware provided with each section.
- Furnished in pairs with hardware.
- For field installation drill ¹³/₃₂" hole.



| Tray Series | Catalog No. |
|-------------|----------------|
| 24A | 9A-1004 |

Expansion Splice Plates

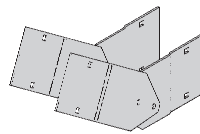
- Expansion plates allow for one inch expansion or contraction.
- Furnished in pairs with hardware.
- **Bonding Jumpers are required.**



| Tray Series | Catalog No. |
|-------------|----------------|
| 24A | 9A-1014 |

Vertical Adjustable Splice Plates

- Plates provide for changes in elevation.
 - Furnished in pairs with hardware.
- Requires supports within 24" on both sides, per NEMA VE 2.

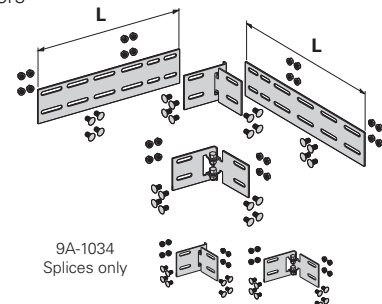


| Tray Series | Catalog No. |
|-------------|----------------|
| 24A | 9A-1024 |

Horizontal Adjustable Splice Plates

- Offered to adjust a cable tray run for changes in direction in a horizontal plane that do not conform to standard horizontal fittings.
- Furnished in pairs with hardware.
- New design bonding jumpers **not** required.

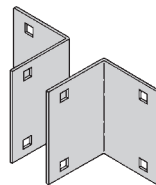
9A-1034-12 or 9A-1034-36
One pair splice plates with extensions.



Requires supports within 24" on both sides, per NEMA VE 2.

Tray to Box Splice Plates

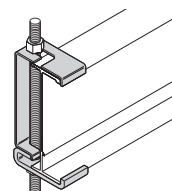
- Used to attach the end of a cable tray run to a distribution box or control panel.
- Furnished in pairs with hardware.



| Tray Series | Catalog No. |
|-------------|----------------|
| 24A | 9A-1054 |

Hanger Rod Clamp (Two piece design)

- For 1/2" ATR, furnished in pairs.
- 1500 lbs./pair capacity safety factor 3.



| Tray Series | Catalog No. |
|-------------|-----------------|
| 24A | 9ZN-5324 |

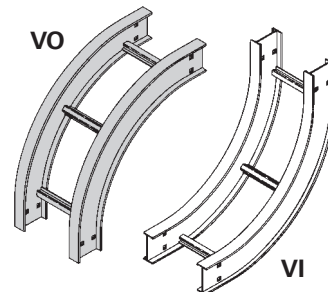
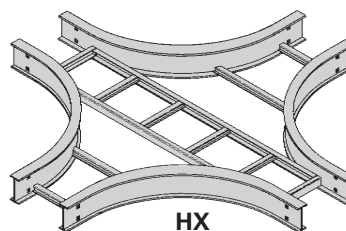
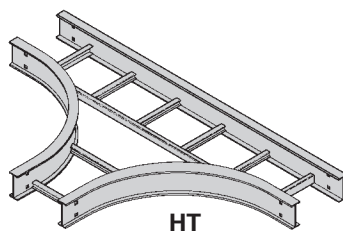
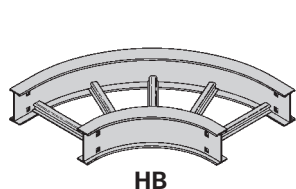
| Catalog No. | Cable Tray End Cut | Tray Width | 'L' |
|-------------------|--------------------|------------|-----|
| 9A-1034 | Mitered | Thru 36" | N/A |
| 9A-1034-12 | Not mitered | Thru 12" | 16" |
| 9A-1034-36 | Not mitered | Thru 36" | 41" |

All dimensions in parentheses are millimeters unless otherwise specified.

Light Duty Aluminum - Tray, Accessories, & Fittings

24A Fittings

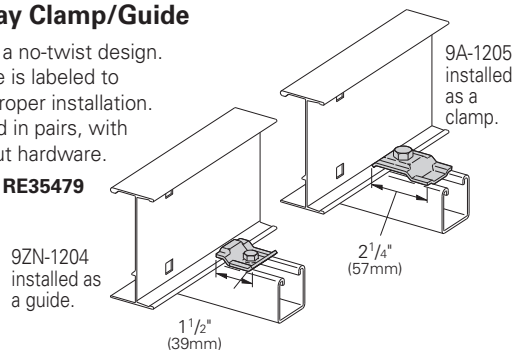
| Prefix | | | | | | (9" rung spacing is standard) | |
|-------------------------------------|--------------|----------------|----------|----------------------------|-----------------|-------------------------------|--|
| Example: 4 A - 24 - 90 HB 24 | | | | | | | |
| Side Rail Height | Material | Width | Angle | Type | Radius | | |
| 4 = 4" (101) | A = Aluminum | 06 = 6" (152) | 30 = 30° | HB = Horizontal Bend | 12 = 12" (305) | | |
| | | 09 = 9" (228) | 45 = 45° | HT = Horizontal Tee | 24 = 24" (609) | | |
| | | 12 = 12" (305) | 60 = 60° | HX = Horizontal Cross | 36 = 36" (914) | | |
| | | 18 = 18" (457) | 90 = 90° | VI = Vertical Inside Bend | 48 = 48" (1219) | | |
| | | 24 = 24" (609) | | VO = Vertical Outside Bend | | | |
| | | 30 = 30" (762) | | | | | |
| | | 36 = 36" (914) | | | | | |



Cable Tray Clamp/Guide

- Features a no-twist design.
- Each side is labeled to ensure proper installation.
- Furnished in pairs, with or without hardware.

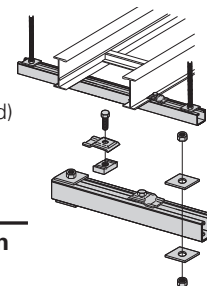
Patent # RE35479



| Catalog No. | | Hardware Size | Finish |
|------------------|---------------|---------------|-------------|
| Without Hardware | With Hardware | | |
| 9ZN-1204 | 9ZN-1204NB | 1/4" | Zinc Plated |
| 9A-1205 | -- | 1/2" | Aluminum |

Trapeze Support Kit

- SH channel eliminate the need for field drilling.
- All hardware is plastic bagged.
- Designed for use with 1/2" threaded rod (not included)
- Safety factor of 3.0 on all loads.
- (+) Insert 3/8" for 3/8" threaded rod hardware.



| Catalog No. | Tray Width | | Channel Length | | Uniform Load | |
|------------------|------------|-----|----------------|------|--------------|------|
| | in. | mm | in. | mm | lbs. | kN |
| 9P-5506-22SH (+) | 6 | 152 | 16 | 406 | 1600 | 7.11 |
| 9P-5509-22SH (+) | 9 | 229 | 18 | 457 | 1250 | 5.56 |
| 9P-5512-22SH (+) | 12 | 305 | 22 | 559 | 1125 | 5.00 |
| 9P-5518-22SH (+) | 18 | 457 | 28 | 711 | 865 | 3.85 |
| 9P-5524-22SH (+) | 24 | 610 | 34 | 864 | 700 | 3.11 |
| 9P-5530-22SH (+) | 30 | 762 | 40 | 1016 | 590 | 2.62 |
| 9P-5536-22SH (+) | 36 | 914 | 46 | 1168 | 510 | 2.27 |

Included:

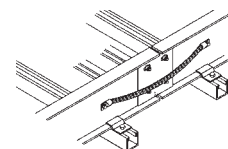
- (2) 1/2" HHCS
- (2) N525WO
- (4) 1/2" HN
- (2) 9ZN-1205
- (4) B202
- (1) B22 Channel

Bonding Jumper

- Use at each expansion splice and where the cable tray is not mechanically/electrically continuous to ground.
- Sold individually, hardware included.
- Bonding jumper is 16" (406mm) long.



| Catalog No. | Cross-Sectional Area | Ampacity |
|-------------|----------------------|----------|
| 99-N1 | 0.4 Square inches | 600 |
| 99-40 | 1.5 Square inches | 1600 |
| 99-1620 | 2.0 Square inches | 2000 |



All dimensions in parentheses are millimeters unless otherwise specified.

Heavy Duty Aluminum - Tray, Accessories, & Fittings

46A Straight Sections - NEMA 20C

Example: **46 A 09 - 24 - 240**

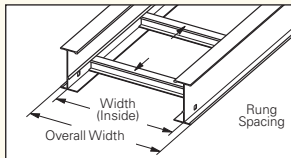
Series
46

Material
A = Aluminum

Ladder Type
06 = 6" rung spacing
09 = 9" rung spacing
12 = 12" rung spacing

***Width**
06 = 6"
09 = 9"
12 = 12"
18 = 18"
24 = 24"
30 = 30"
36 = 36"

Length
240 = 20 ft.

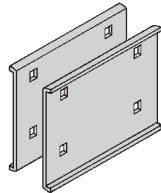


| B-Line Series | Side Rail Dimensions | NEMA, CSA & UL Classifications | Span ft | Load lbs/ft | Deflection Multiplier | Design Factors for Two Rails | Span meters | Load kg/m | Deflection Multiplier | Design Factors for Two Rails |
|---------------|----------------------|--|---------|-------------|-----------------------|--|-------------|-----------|-----------------------|---|
| 46 | | NEMA: 20C CSA: E-6m UL Cross-Sectional Area: 1.50 in ² | 14 | 210 | 0.0071 | Area=2.06 in ² Sx=3.59 in ³ Ix=12.18 in ⁴ | 4.3 | 313 | 0.121 | Area=13.29 cm ² Sx=58.83 cm ³ Ix=506.97 cm ⁴ |
| | | | 16 | 161 | 0.012 | | 4.9 | 239 | 0.207 | |
| | | | 18 | 127 | 0.019 | | 5.5 | 189 | 0.331 | |
| | | | 20 | 103 | 0.030 | | 6.1 | 153 | 0.505 | |
| | | | 22 | 85 | 0.043 | | 6.7 | 127 | 0.739 | |
| | | | 24 | 72 | 0.061 | | 7.3 | 106 | 1.046 | |
| | | | | | | | | | | |

When trays are used in continuous spans, the deflection of the tray is reduced by as much as 50%.
Design factors: Ix = Moment of Inertia, Sx = Section Modulus.

Wedge Lock Splice Plates

- One pair/hardware provided with each section.
- Furnished in pairs with hardware.
- For field installation drill ¹³/₃₂" hole.

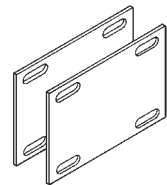


Tray Series **Catalog No.**

46A **9A-1006**

Expansion Splice Plates

- Expansion plates allow for one inch expansion or contraction.
- Furnished in pairs with hardware.
- **Bonding Jumpers are required.**



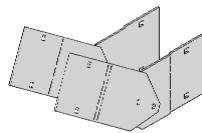
Tray Series **Catalog No.**

46A **9A-1016**

Vertical Adjustable Splice Plates

- Plates provide for changes in elevation.
- Furnished in pairs with hardware.

Requires supports within 24" on both sides, per NEMA VE 2.



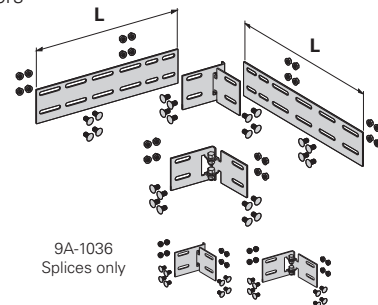
Tray Series **Catalog No.**

46A **9A-1026**

Horizontal Adjustable Splice Plates

- Offered to adjust a cable tray run for changes in direction in a horizontal plane that do not conform to standard horizontal fittings.
- Furnished in pairs with hardware.
- New design bonding jumpers **not** required.

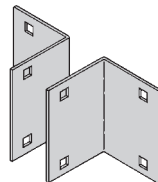
9A-1036-12 or 9A-1036-36
One pair splice plates with extensions.



Requires supports within 24" on both sides, per NEMA VE 2.

Tray to Box Splice Plates

- Used to attach the end of a cable tray run to a distribution box or control panel.
- Furnished in pairs with hardware.

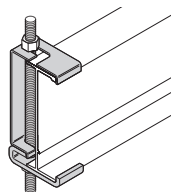


Tray Series **Catalog No.**

46A **9A-1056**

Hanger Rod Clamp (Two piece design)

- For ¹/₂" ATR, furnished in pairs.
- 1500 lbs./pair capacity safety factor 3.



Tray Series **Catalog No.**

46A **9ZN-5326**

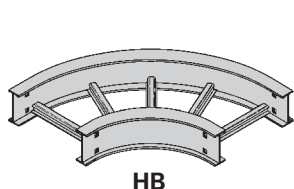
| Catalog No. | Cable Tray End Cut | Tray Width | 'L' |
|-------------------|--------------------|------------|-----|
| 9A-1036 | Mitered | Thru 36" | N/A |
| 9A-1036-12 | Not mitered | Thru 12" | 16" |
| 9A-1036-36 | Not mitered | Thru 36" | 41" |

All dimensions in parentheses are millimeters unless otherwise specified.

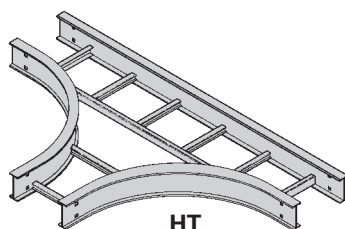
Heavy Duty Aluminum - Tray, Accessories, & Fittings

46A Fittings

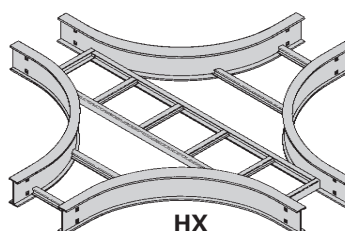
| Prefix | | | | | | (9" rung spacing is standard) |
|-------------------------------------|--------------|----------------|----------|----------------------------|-----------------|-------------------------------|
| Example: 6 A - 24 - 90 HB 24 | | | | | | |
| Side Rail Height | Material | Width | Angle | Type | Radius | |
| 6 = 6" (152) | A = Aluminum | 06 = 6" (152) | 30 = 30° | HB = Horizontal Bend | 12 = 12" (305) | |
| | | 09 = 9" (228) | 45 = 45° | HT = Horizontal Tee | 24 = 24" (609) | |
| | | 12 = 12" (305) | 60 = 60° | HX = Horizontal Cross | 36 = 36" (914) | |
| | | 18 = 18" (457) | 90 = 90° | VI = Vertical Inside Bend | 48 = 48" (1219) | |
| | | 24 = 24" (609) | | VO = Vertical Outside Bend | | |
| | | 30 = 30" (762) | | | | |
| | | 36 = 36" (914) | | | | |



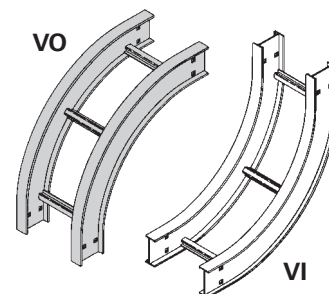
HB



HT



HX

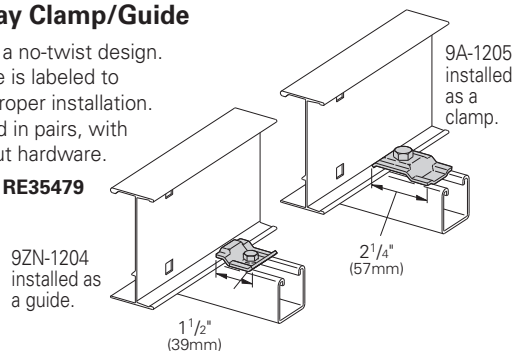


VI

Cable Tray Clamp/Guide

- Features a no-twist design.
- Each side is labeled to ensure proper installation.
- Furnished in pairs, with or without hardware.

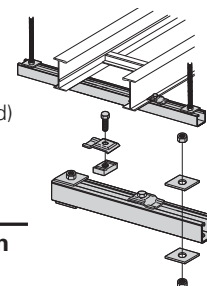
Patent # RE35479



| Catalog No. | | Hardware Size | Finish |
|------------------|---------------|---------------|-------------|
| Without Hardware | With Hardware | | |
| 9ZN-1204 | 9ZN-1204NB | 1/4" | Zinc Plated |
| 9A-1205 | -- | 1/2" | Aluminum |

Trapeze Support Kit

- SH channel eliminate the need for field drilling.
- All hardware is plastic bagged.
- Designed for use with 1/2" threaded rod (not included)
- Safety factor of 3.0 on all loads.
- (†) Insert 3/8" for 3/8" threaded rod hardware.



| Catalog No. | Tray Width | | Channel Length | | Uniform Load | |
|------------------|------------|-----|----------------|------|--------------|------|
| | in. | mm | in. | mm | lbs. | kN |
| 9P-5506-22SH (†) | 6 | 152 | 16 | 406 | 1600 | 7.11 |
| 9P-5509-22SH (†) | 9 | 229 | 18 | 457 | 1250 | 5.56 |
| 9P-5512-22SH (†) | 12 | 305 | 22 | 559 | 1125 | 5.00 |
| 9P-5518-22SH (†) | 18 | 457 | 28 | 711 | 865 | 3.85 |
| 9P-5524-22SH (†) | 24 | 610 | 34 | 864 | 700 | 3.11 |
| 9P-5530-22SH (†) | 30 | 762 | 40 | 1016 | 590 | 2.62 |
| 9P-5536-22SH (†) | 36 | 914 | 46 | 1168 | 510 | 2.27 |

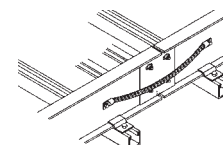
Included:
 (2) 1/2" HHCS
 (2) N525WO
 (4) 1/2" HN
 (2) 9ZN-1205
 (4) B202
 (1) B22 Channel

Bonding Jumper

- Use at each expansion splice and where the cable tray is not mechanically/electrically continuous to ground.
- Sold individually, hardware included.
- Bonding jumper is 16" (406mm) long.



| Catalog No. | Cross-Sectional Area | Ampacity |
|-------------|----------------------|----------|
| 99-N1 | 0.4 Square inches | 600 |
| 99-40 | 1.5 Square inches | 1600 |
| 99-1620 | 2.0 Square inches | 2000 |



All dimensions in parentheses are millimeters unless otherwise specified.

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