



# Redi-Rail™ Runway

Ladder with Removeable Rungs

CDRRR-11

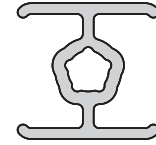
 **COOPER** B-Line



Cooper B-Line **Redi-Rail™ Runway** is a flexible, unique solution specifically designed for data cabling applications. Instead of a welded rung, the rung connection is made with hardware engineered for a strong connection, with the advantage that rungs can be removed using standard tools. In addition, the holes along the length of the side rail provide a convenient place to attach rungs and accessories without drilling in the field, saving labor in the field.



## Rung Profile



3/4" high x 25/32" wide



This patented runway is engineered to provide a number of advantages, including:

### Flexibility

- Rungs can be easily removed to provide more space for cables to enter or exit the runway
- Rungs can be easily moved to support a drop out in a precise location over a rack or cabinet
- Outboard rungs provide a simple way to segregate and organize multiple cable runs along a single path
- Straight sections are compatible with standard fittings, wall brackets, and supports

### Grounding

- Straight sections and standard splices are UL Classified, meaning that no bonding jumper is required at splice locations. (Paint must be removed prior to splice connection.)
- No bonding jumpers required on unpainted systems

### Labor Savings

- Lightweight aluminum makes straight sections easier to handle and results in a faster installation
- Rung adjustments in the field no longer require cutting, saving time on the jobsite
- Hanger rod brackets eliminate the need to cut and install strut trapezes
- Holes in side rail eliminate the need to drill to attach a rung or accessory to the runway

### Future Expansion

- Outboard rungs allow for installation of horizontal cable runs alongside the same runway
- Cable retaining posts allow more cables to be installed vertically along the runway path



## Straight Sections

Finishes \_\_: Blank Aluminum    FB Aluminum with Flat Black Paint

### SB13AL C-Channel - 1 1/2" (38mm) Stringers

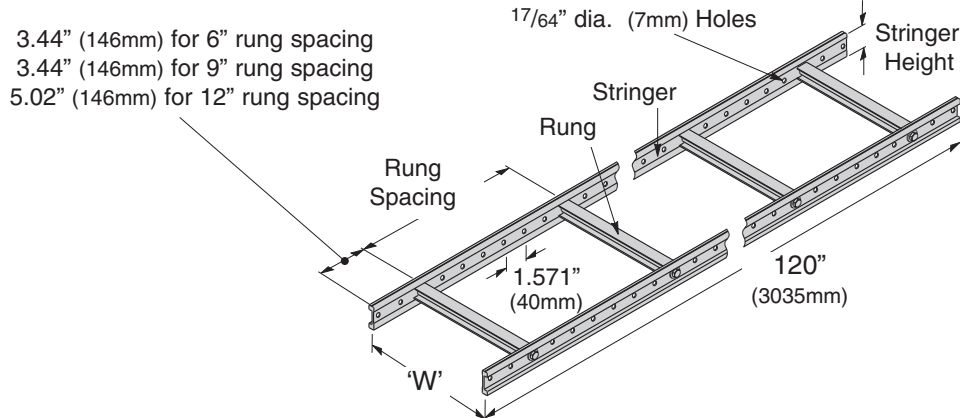
Part Number	'W' Width	
	In.	(mm)
SB13AL06__	6"	(152)
SB13AL09__	9"	(228)
SB13AL12__	12"	(305)
SB13AL15__	15"	(381)
SB13AL18__	18"	(457)
SB13AL20__	20"	(508)
SB13AL24__	24"	(609)
SB13AL30__	30"	(762)
SB13AL36__	36"	(914)

Stringer Dimensions	Span		Load		Deflection Multiplier
	Ft.	(m)	Lbs./Ft.	(N/m)	
	4	(1.22)	81	(1182)	0.0033
	5	(1.52)	51	(744)	0.0080
	6	(1.83)	35	(510)	0.0166

### SB14AL C-Channel - 2" (51mm) Stringers

Part Number	'W' Width	
	In.	(mm)
SB14AL06__	6"	(152)
SB14AL09__	9"	(228)
SB14AL12__	12"	(305)
SB14AL15__	15"	(381)
SB14AL18__	18"	(457)
SB14AL20__	20"	(508)
SB14AL24__	24"	(609)
SB14AL30__	30"	(762)
SB14AL36__	36"	(914)

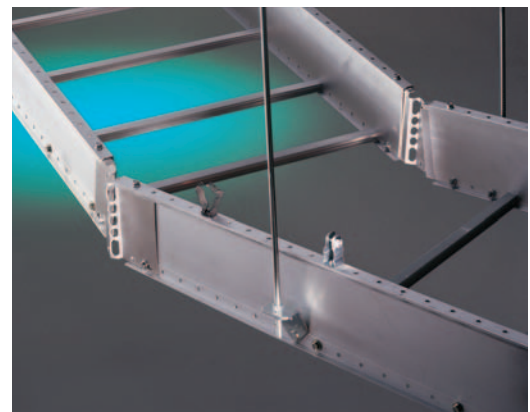
Stringer Dimensions	Span		Load		Deflection Multiplier
	Ft.	(m)	Lbs./Ft.	(N/m)	
	4	(1.22)	118	(1182)	0.0015
	5	(1.52)	77	(744)	0.0038
	6	(1.83)	53	(510)	0.0078



Need more fill depth?

Cooper B-Line offers a full line of aluminum Redi-Rail in side rail heights of 4", 5", 6", and 7" with a complete range of accessories and radiused fittings. Contact your sales representative or consult your Cooper B-Line Cable Tray Systems catalog (Redi-Rail™ section) for details.

**Patent Information**  
 U.S. Patent D361982; 5,580,014  
 Canada 2,137,879  
 UK Patent 2,285,343  
 Other United States and foreign patents are pending.



# Redi-Rail™ Runway Layout

## Butt-Splice Clamp

Standard splice used to connect runway sections.

Black zinc finish for easy grounding.

**SB2107\_\_BZ**

*(see page 6 for chart & information)*



## Hanger Rod Bracket

Redi-Rail™ bracket used to support 3/8" threaded rod. Allows runway to be at up to 45° angle from horizontal.

**9ZNR\_\_**

*(see page 6 for chart & information)*



## End Caps

Standard end caps used to protect stringer ends of runway.

**SB21\_\_**

*(see page 7 for chart & information)*



## Stand-Off Bracket

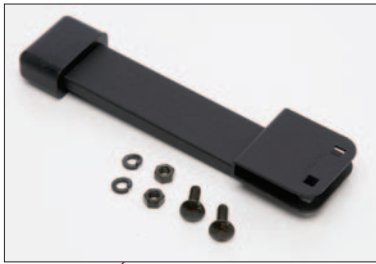
Standard bracket used to offset a cable run from the top of racks or cabinets.

Height is adjustable

**SB227\_FB**

*(see page 7 for chart & information)*

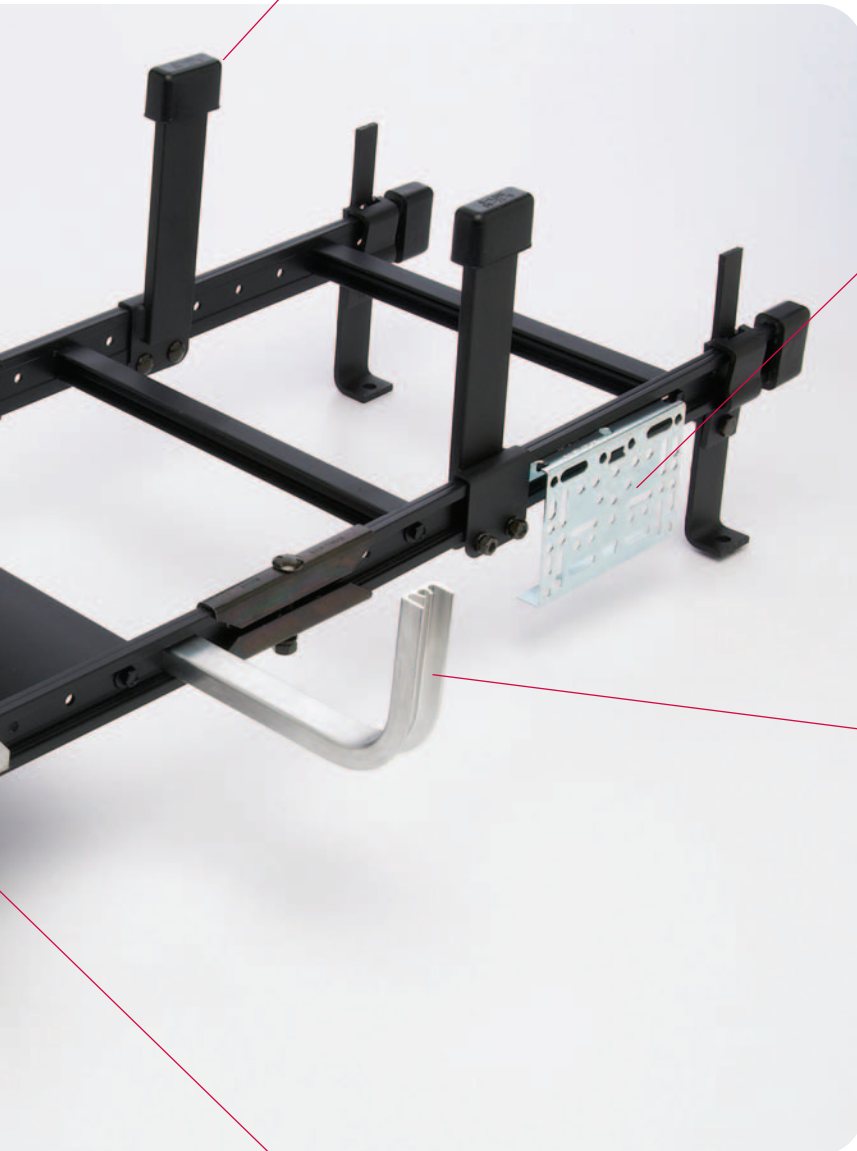




**Cable Retaining Post**  
Standard attachment used to increase cable capacity fill of runway.  
**SB126\_FB**  
*(see page 6 for chart & information)*



**Mounting Bracket**  
Redi-Rail™ bracket used to attach a variety of power and low-voltage accessories to runway. Ideal for mounting patch panels or surface mount boxes.  
**9ZN-MB1-4**  
*(see page 6 for chart & information)*



**Outboard Rung**  
Redi-Rail™ attachment used to support cables in a run just outside of the main cable path.  
**9A-SR0**  
*(see page 7 for chart & information)*



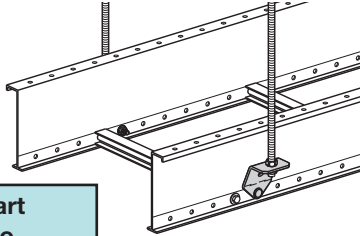
**Drop Out**  
Unique drop out sized to fit around rung profile and used to support cables exiting runway. No screws required.  
**SB13ALDO\_FB**  
*(see page 7 for chart & information)*

# Redi-Rail™ Runway

Cooper B-Line Redi-Rail™ Runway is designed to be compatible with standard accessories for 1 1/2" runway stringers. On pages 2 & 3 are some key accessories commonly used to take advantages of the possibilities with Redi-Rail Runway.

## Header Rod Bracket

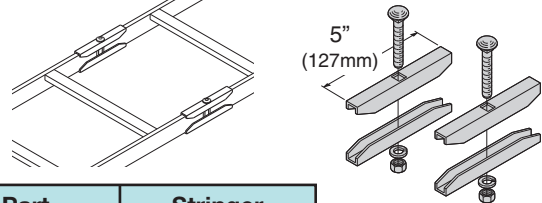
- Studded bracket bolts to Redi-Rail™ holes.
- For 3/8" ATR.
- Loading is 1,000 lbs. (4.45kN), per pair, safety factor 3.
- Finish: Zinc Plated



Support ATR Size	Part No.
3/8"	9ZN-R238
1/2"	9ZN-R250

## Cable Runway Butt-Splice Clamp

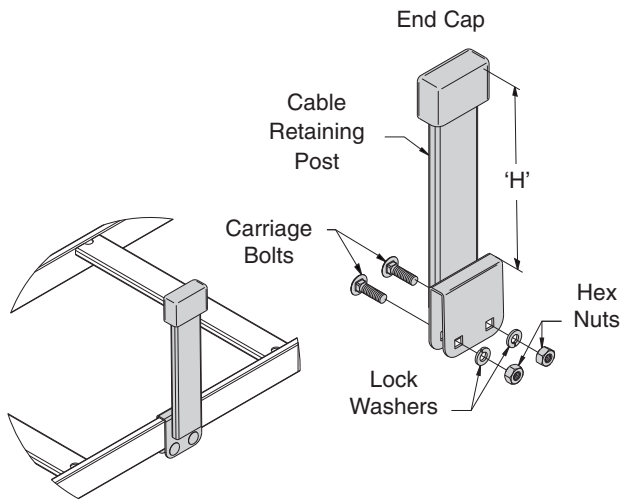
- Used to connect 1 1/2" tall runway stringers end to end.
- Includes (2) two clamps and hardware.
- Finish: Black Zinc



Part No.	Stringer Height
SB2107BZ	1 1/2" (38mm)
SB21072BZ	2" (51mm)

## Cable Retaining Post

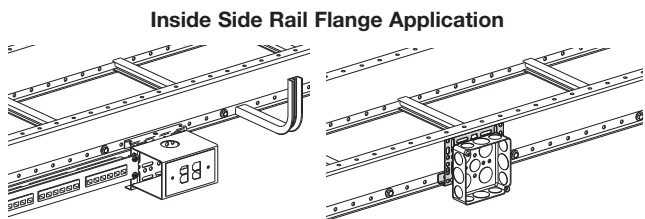
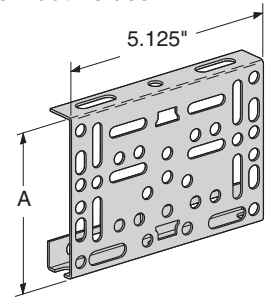
- Used to increase cable capacity fill of runway.
- Includes one (1) retaining post, one (2) neoprene end cap, and 1/4" mounting hardware.
- Available in three (3) heights
- Finish: Flat Black



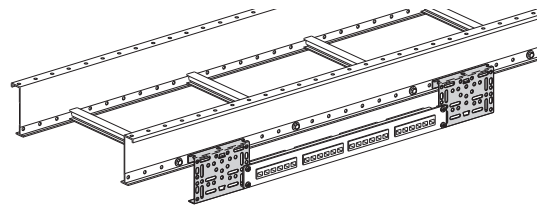
Part Number	'H' Height		Fits In. (mm)
	In.	(mm)	
SB12606FB	6"	(152)	3/8" x 1 1/2" (9 x 38) Stringer
SB12608FB	8"	(203)	3/8" x 1 1/2" (9 x 38) Stringer
SB12610FB	10"	(254)	3/8" x 1 1/2" (9 x 38) Stringer
SB126062FB	6"	(152)	3/8" x 2" (9 x 51) Stringer
SB126082FB	8"	(203)	3/8" x 2" (9 x 51) Stringer
SB126102FB	10"	(254)	3/8" x 2" (9 x 51) Stringer

## Mounting Bracket

- Furnished with 1/4" mounting hardware.
- EIA/TIA panel mounting holes - both sides.
- Mounting holes for NEMA outlet/junction boxes.
- Zinc plated steel.



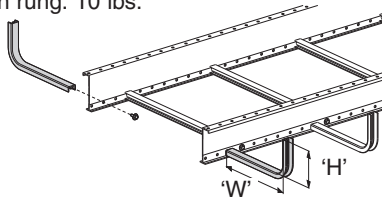
Outside Side Rail Flange Application



Part No.	'A'	
	in	(mm)
9ZN-MB1-4	3 5/8"	(92)

## Out Board Rungs

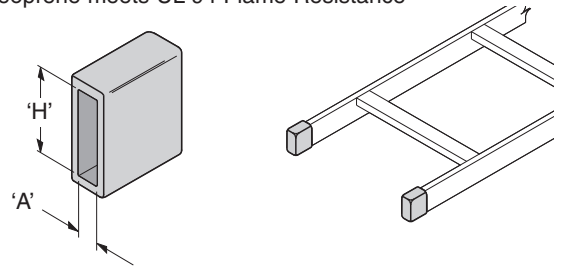
- Formed aluminum rung with attachment screw.
- Field installs as required.
- Torque rung fasteners to 6 ft/lbs.
- Uniform load capacity on rung: 10 lbs.



Part No.	Fill Depth 'H'		Fill Width 'W'	
	in	(mm)	in	(mm)
9A-SR0406	4	(101)	6	(152)
9A-SR0409	4	(101)	9	(226)
9A-SR0506	5	(127)	6	(152)
9A-SR0509	5	(127)	9	(226)

## End Caps

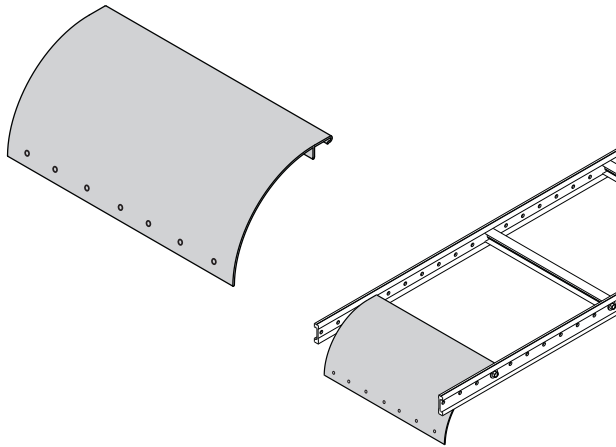
- Used to protect ends of runway stringers.
- Sold in packages of 10.
- Black neoprene meets UL 94 Flame Resistance



Part Number	'A'		'H'	
	In.	(mm)	In.	(mm)
SB21B	3/8"	(9)	1 1/2"	(38)
SB21A	3/8"	(9)	2"	(51)

## Drop-Out for Redi-Rail Runway

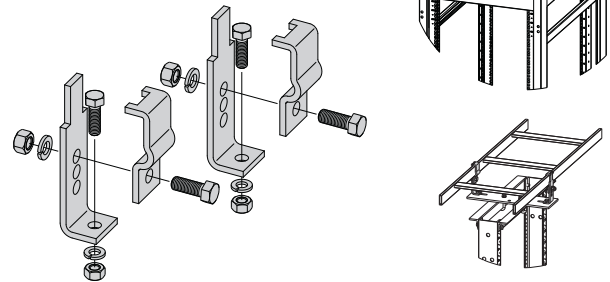
- Provides a radius in accordance with EIA recommendations.
- Fits SB13AL style stringer only.
- No hardware required
- Aluminum with Flat Black finish



Part Number	Width	
	In.	(mm)
SB13ALDO06FB	5.24"	(184)
SB13ALDO09FB	8.24"	(209)
SB13ALDO12FB	11.24"	(285)
SB13ALDO18FB	17.24"	(438)
SB13ALDO24FB	23.24"	(590)
SB13ALDO30FB	29.24"	(742)
SB13ALDO36FB	35.24"	(895)

## Runway Stand-Off Bracket

- Use to provide additional space between the top of racks and enclosures over standard runway attachment devices.
- Can be installed to accommodate perpendicular or parallel pathway orientations.
- Rack elevation kits include: (1) pair of brackets and assembly hardware.
- Cabinet elevation kits include: (2) pair of brackets and assembly hardware.
- SB227R fits runway height of 1 1/2".
- SB21092 fits runway height of 2".
- Finish: Flat Black Powder Coat (FB)



Part Number	Application	Elevation Settings	
		In.	(mm)
<b>For 1 1/2" (38mm) Stringer Height</b>			
SB227R3FB	Two-Post Rack	2", 2 1/2", & 3"	(51, 63, & 76)
SB227R6FB	Two-Post Rack	4", 5", & 6"	(101, 127, & 152)
SB227E3FB	Enclosure Cabinet	2", 2 1/2", & 3"	(51, 63, & 76)
SB227E6FB	Enclosure Cabinet	4", 5", & 6"	(101, 127, & 152)
<b>For 2" (51mm) Stringer Height</b>			
SB2109-2	Stand-off	2 1/2"	(63)

## Global Locations:

Cooper B-Line's U.S. Customer Service Center is staffed Monday through Friday from 7 a.m. to 5:00 p.m. Central Standard Time. If a situation requires that you have to contact us after hours, please leave a message via phone or E-mail so we can give it immediate attention the following business day.

### Service Facility - United States:

#### Cooper B-Line - USA

509 West Monroe Street  
Highland, IL 62249  
United States  
Phone: (800) 851-7415  
Fax: (800) 356-1438  
Email: [blineus@cooperindustries.com](mailto:blineus@cooperindustries.com)

### Service Facility - Canada:

#### Cooper B-Line - Canada

Div. of Cooper Ind. Canada, Inc.  
5925 McLaughlin Road  
Mississauga, ON L5R 1B8  
Canada  
Phone: (800) 569-3660  
Fax: (888) 753-3355  
Email: [blinecanada@cooperindustries.com](mailto:blinecanada@cooperindustries.com)

### Service Facility - Europe:

#### Cooper B-Line, Ltd. - UK

Walrow, Highbridge  
Somerset, TA9 4AQ  
United Kingdom  
Phone: + 44 (0) 1278 783371  
Fax: + 44 (0) 1278 789037  
Email: [sales@cooperbline.co.uk](mailto:sales@cooperbline.co.uk)

### Cooper B-Line - Saudi Arabia:

PO Box 70160 - Al Khobar - 31952  
Kingdom of Saudi Arabia  
Phone: 00966 3 812 2236  
Fax: 00966 3 812 1291  
Email: [blineme@cooperindustries.com](mailto:blineme@cooperindustries.com)

### Literature Fulfillment Questions:

Phone: (314) 426-1800  
Fax: (314) 426-6022  
Email: [cooperbline@repcographics.com](mailto:cooperbline@repcographics.com)

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**Cooper B-Line**  
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Highland, IL 62249  
Phone: 800-851-7415  
Fax: 618-654-1917

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