



Redi-Rail™ Runway

Ladder with removable rungs

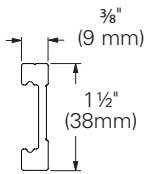


Redi-Rail Straight Sections

Finishes __: Blank Aluminum FB Aluminum with Flat Black Paint

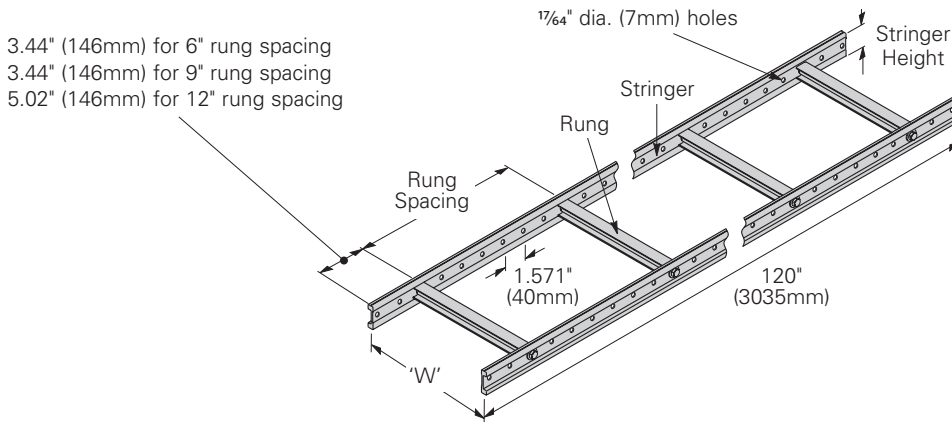
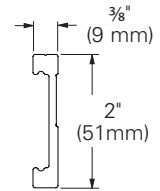
SB13AL C-Channel 1 1/2" (38mm) Stringers

Part #	'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



SB14AL C-Channel 2" (51mm) Stringers

Part #	'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



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.

UL approval for painted runway splice kit grounding method

Eaton has received UL approval for connecting painted runway stringers with a full line of splice connectors while maintaining proper grounding connection per UL# E60548. This certification will allow installation of painted runways to any B-Line series splice connector (SB2107, SB2101A, SB160A, SB160C, SB160D, SB165, SB166A, SB166B, SB167, SB168C, SB168D, SB170, and SB170B) as per the installation procedures shown in figures 1 and 2. For the painted runway system to meet the UL requirements, the installer must first remove the runway paint at the point of splice to allow proper ground connection.

FIGURE 1
 Installation for SB166A style butt-splice on painted runway

Paint Removal Required Both Splices

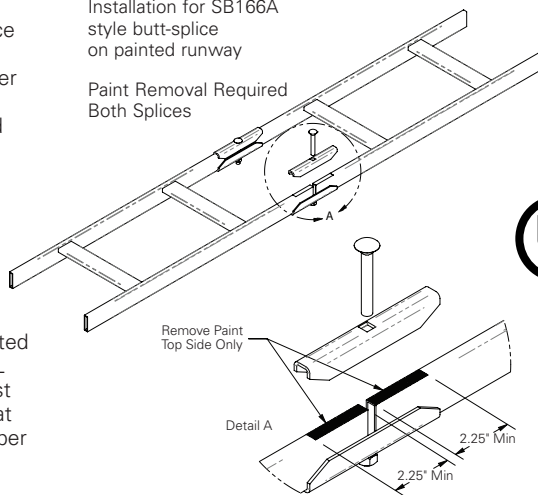
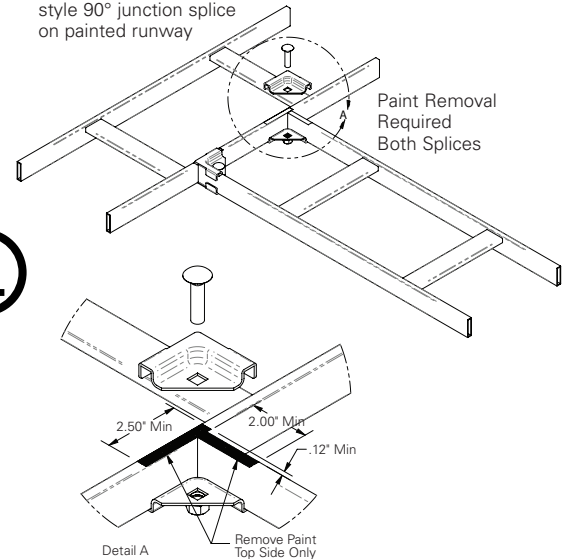


FIGURE 2
 Installation for SB165 style 90° junction splice on painted runway

Paint Removal Required Both Splices



Common Redi-Rail Accessories

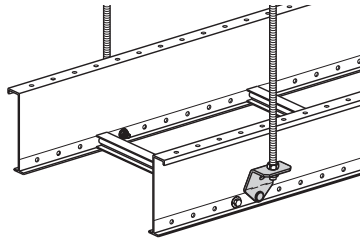
Redi-Rail™ Runway is compatible with standard accessories for 1½" runway stringers.

Hanger Rod Bracket

- Studded bracket to Redi-Rail™ holes
- For ¾" ATR
- Loading is 1,000 lbs. (4.45kN), per pair, safety factor 3
- Finish: Zinc Plated

Hanger Rod Bracket

Support ATR Size	Part #
1½"	9ZN-R238
2"	9ZN-R250

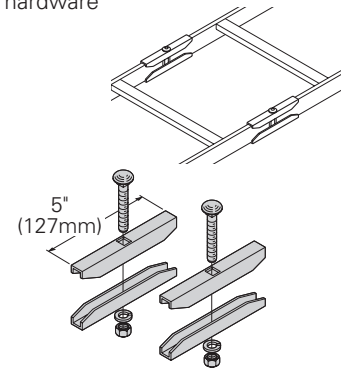


Cable Runway Butt-Splice Clamp

- Used to connect 1½" tall runway stringers end to end
- Includes (2) two clamps and hardware
- Finish: Black Zinc

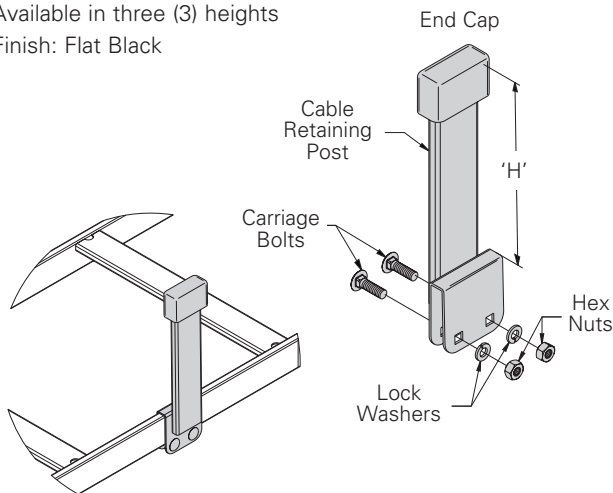
Cable Runway Butt-Splice Clamp

Part #	Stringer Height
SB2107BZ	1½" (38mm)
SB21072BZ	1" (51mm)



Cable Retaining Post

- Used to increase cable capacity fill of runway
- Includes one (1) retaining post, one (1) neoprene end cap, and ¼" mounting hardware
- Available in three (3) heights
- Finish: Flat Black



Cable Retaining Post

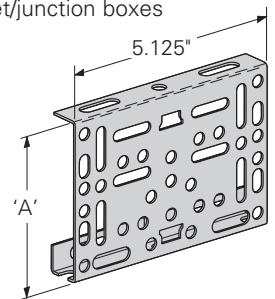
Part #	Height 'H'		Fits Stringer	
	in.	mm	in.	mm
SB12606FB	6"	152	¾" x 1½"	9 x 38
SB12608FB	8"	203	¾" x 1½"	9 x 38
SB12610FB	10"	254	¾" x 1½"	9 x 38
SB126062FB	6"	152	¾" x 2"	9 x 51
SB126082FB	8"	203	¾" x 2"	9 x 51
SB126102FB	10"	254	¾" x 2"	9 x 51

Mounting Bracket

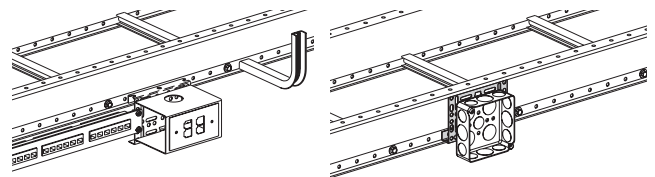
- Furnished with ¼" mounting hardware
- EIA/TIA panel mounting holes - both sides
- Mounting holes for NEMA outlet/junction boxes
- Zinc plated steel

Mounting Bracket

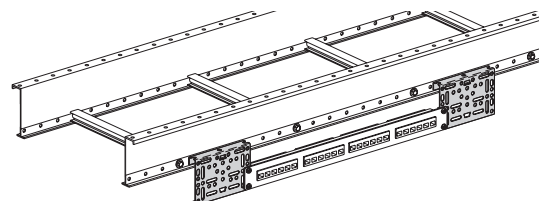
Part #	'A'	
	in.	mm
9ZN-MB1-4	3½"	92



Inside Side Rail Flange Application



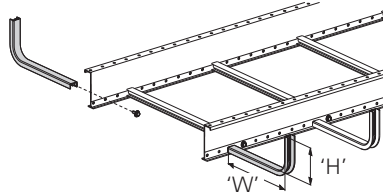
Outside Side Rail Flange Application



Common Redi-Rail Accessories

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.

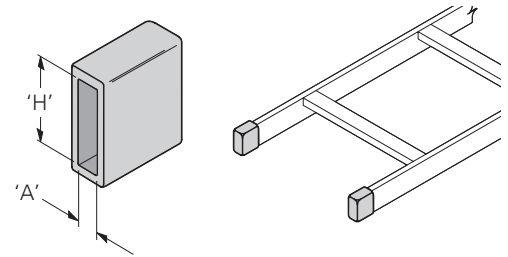


Out Board Rungs

Part #	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

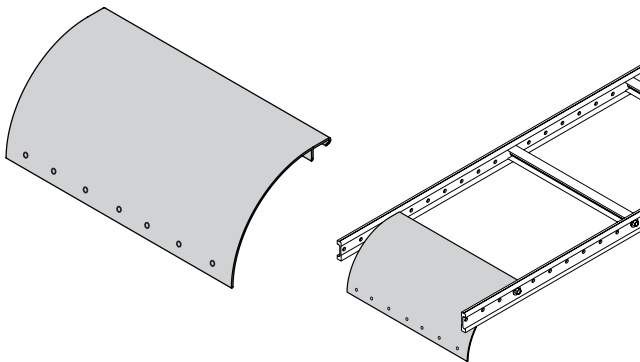


End Caps

Part #	'H'		'W'	
	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

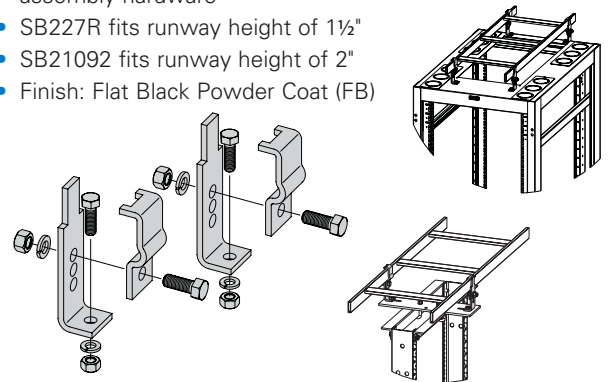


Drop-Out for Redi-Rail Runway

Part #	Width	
	in.	mm
SB13ALD006FB	5.24"	184
SB13ALD009FB	8.24"	209
SB13ALD0012FB	11.24"	285
SB13ALD0018FB	17.24"	438
SB13ALD0024FB	23.24"	590
SB13ALD0030FB	29.24"	742
SB13ALD0036FB	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: one (1) pair of brackets and assembly hardware
- Cabinet elevation kits include: two (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)



Runway Stand-Off Bracket

For 1 1/2" (38mm) Stringer Heights		Elevation Settings	
Part #	Application	in.	mm
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

Runway Stand-Off Bracket

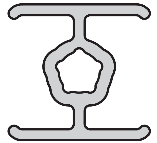
For 2" (51mm) Stringer Heights		Elevation Settings	
Part #	Application	in.	mm
SB2109-2	Stand-Off	2 1/2"	63

Redi-Rail™ Runway

Redi-Rail Runway is a unique and flexible solution designed for data cabling applications. Instead of a welded rung, the Redi-Rail rung connection is made with hardware engineered for a strong connection, with rungs being 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, helping save time in the field.



Rung Profile



3/4" high x 25/32" wide

Job-Site 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

Save On Grounding Straps

- Straight sections and standard splices are UL classified. No bonding jumper is required at splice locations.
Note: paint must be removed prior to splice connection.
- No bonding jumpers required on painted or unpainted systems

Time-Savings

- Lightweight aluminum makes straight sections easier to handle and results in a faster installation
- Rung adjustments in the field no longer require cutting, helping save time on the job-site
- 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 Flexibility

- 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

Butt-Splice Clamp
Standard splice used to connect runway sections. Black zinc finish for easy grounding.
SB2107_BZ
(see chart for information)

Cable Retaining Post
Standard attachment used to increase cable capacity fill of runway.
SB126_FB
(see chart for 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 chart for 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 chart for information)

End Caps
Standard end caps used to protect stringer ends of runway.
SB21
(see chart for information)

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

For more information, visit
Eaton.com/datacenters

U.S. Customer Service Center is staffed Monday through Friday from 7 a.m. to 5 p.m. Central Standard Time.

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