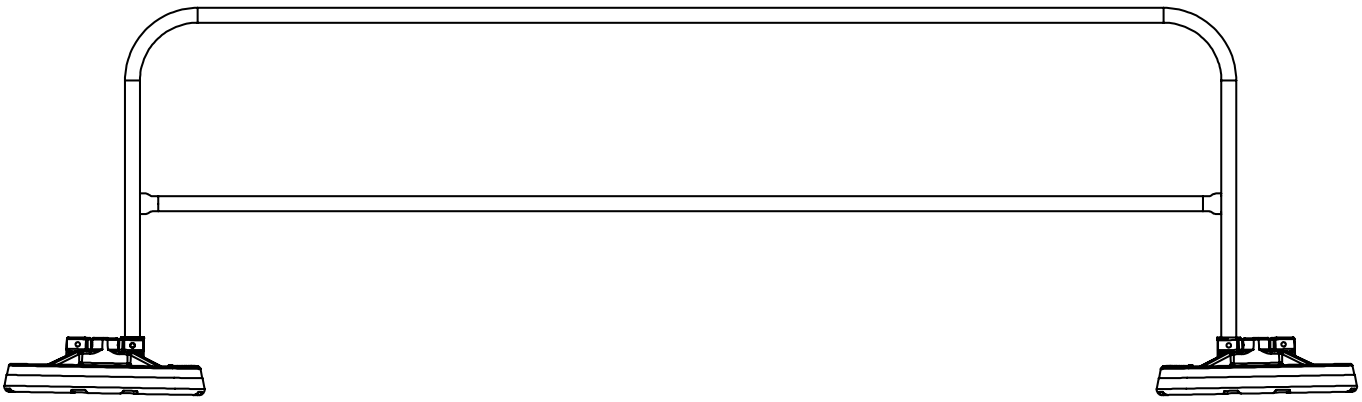
SAFETY RAIL CO.
THE SAFEST

SRC360 Mobile Rail

MANUAL & INSTALLATION GUIDE



- *Mobile Safety Rail*
- *Metal Pin*
- *Base Mover Dolly*
- *Low-Profile Kicker*
- *Mobile Base*
- *Toeboard For Mobile*
- *U-Rail W/Rail To Rail Clamp*
- *Mobile Gate Frame*
- *Level Adapter*
- *Flat Return*

WARNING

This must be installed compliant with OSHA standards for guardrails: 29 CFR 1910.29 (b) & 29 CFR 1926.502 (b).

Mobile Rail tested for 200 lb (90.7kg) force in a downward or outward direction.

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SRC360 Mobile Rail OWNER'S & INSTALLATION MANUAL

Conditions of Use & Limitations

Do not tie off to mobile railing system.

Do not install on painted metal surface or any other surface other than a single ply roofing system complete with insulation unless the purpose is not for fall protection.

Do not install on a surface with a slope greater than 1:12.

Install on a clean dry surface (membrane roofing).

Installations on a roof without a parapet, bases must be set back at least 18" from the outer edge of the base to the edge of the roof.

Max rail length is 10' outside of California.

Periodic Maintenance Instructions

The Mobile Rail system is designed to be largely maintenance free. The following procedures are recommended to help ensure ongoing safety and proper operation:

INSPECTION OF MOUNTING HARDWARE	Visually inspect rail when work is to be performed in the area and make sure everything is aligned properly. Apply touch-up paint or cold galvanizing to prevent rust and corrosion. Check/retighten parts that use bolts biannually.

Applicable OSHA Codes

OSHA STANDARD COMPLIANCE	1926.502 (b), 1910.29 (b)
FORCE TESTED	Tested for 200 lb (90.7kg) force in a downward or outward direction
ASSEMBLED HEIGHT	42" (107cm) top rail, 21" (53cm) mid rail
MOUNTING BASE WEIGHT	104 lbs (45.8kg)/ea
MATERIAL	Hot-rolled, pickled, and oiled tubing
FINISH OPTIONS	Hot-dip galvanized Hot-dip galvanized with yellow powdercoat

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Size & Finish Options

ITEM #	DESCRIPTION	FINISH	WEIGHT	DIMENSIONS
400009	Mobile Safety Rail - 10'	Powdercoat Yellow	29 lb.	122 x 2 x 40"
400008	Mobile Safety Rail - 9'	Powdercoat Yellow	26 lb.	110 x 2 x 40"
400007	Mobile Safety Rail - 8'	Powdercoat Yellow	24 lb.	98 x 2 x 40"
400005	Mobile Safety Rail - 7.5'	Powdercoat Yellow	23 lb.	92 x 2 x 40"
400006	Mobile Safety Rail - 7'	Powdercoat Yellow	21 lb.	86 x 2 x 40"
400004	Mobile Safety Rail - 6'	Powdercoat Yellow	20 lb.	74 x 2 x 40"
400003	Mobile Safety Rail - 5'	Powdercoat Yellow	18 lb.	62 x 2 x 40"
400002	Mobile Safety Rail - 4'	Powdercoat Yellow	16 lb.	50 x 2 x 40"
400001	Mobile Safety Rail - 3'	Powdercoat Yellow	13 lb.	38 x 2 x 40"
400000	Mobile Safety Rail - 2'	Powdercoat Yellow	11 lb.	26 x 2 x 40"
400109	Mobile Safety Rail - 10'	Galvanized	30 lb.	122 x 2 x 40"
400108	Mobile Safety Rail - 9'	Galvanized	28 lb.	110 x 2 x 40"
400107	Mobile Safety Rail - 8'	Galvanized	26 lb.	98 x 2 x 40"
400105	Mobile Safety Rail - 7.5'	Galvanized	22 lb.	92 x 2 x 40"
400106	Mobile Safety Rail - 7'	Galvanized	23 lb.	86 x 2 x 40"
400104	Mobile Safety Rail - 6'	Galvanized	21 lb.	74 x 2 x 40"
400103	Mobile Safety Rail - 5'	Galvanized	19 lb.	62 x 2 x 40"
400102	Mobile Safety Rail - 4'	Galvanized	17 lb.	50 x 2 x 40"
400101	Mobile Safety Rail - 3'	Galvanized	14 lb.	38 x 2 x 40"
400100	Mobile Safety Rail - 2'	Galvanized	12 lb.	26 x 2 x 40"
400209	Mobile Safety Rail - 10'	Galvanized/Powdercoat Yellow	30 lb.	122 x 2 x 40"
400208	Mobile Safety Rail - 9'	Galvanized/Powdercoat Yellow	28 lb.	110 x 2 x 40"
400207	Mobile Safety Rail - 8'	Galvanized/Powdercoat Yellow	26 lb.	98 x 2 x 40"
400205	Mobile Safety Rail - 7.5'	Galvanized/Powdercoat Yellow	22 lb.	92 x 2 x 40"
400206	Mobile Safety Rail - 7'	Galvanized/Powdercoat Yellow	23 lb.	86 x 2 x 40"
400204	Mobile Safety Rail - 6'	Galvanized/Powdercoat Yellow	21 lb.	74 x 2 x 40"
400203	Mobile Safety Rail - 5'	Galvanized/Powdercoat Yellow	19 lb.	62 x 2 x 40"
400202	Mobile Safety Rail - 4'	Galvanized/Powdercoat Yellow	17 lb.	50 x 2 x 40"
400201	Mobile Safety Rail - 3'	Galvanized/Powdercoat Yellow	14 lb.	38 x 2 x 40"
400200	Mobile Safety Rail - 2'	Galvanized/Powdercoat Yellow	12 lb.	26 x 2 x 40"
420068	Mobile Safety Base 360	Powdercoat Yellow	104 lb.	22 x 22 x 6"
420168	Mobile Safety Base 360	Galvanized	104 lb.	22 x 22 x 6"
420268	Mobile Safety Base 360	Galvanized/Powdercoat Yellow	104 lb.	22 x 22 x 6"
150058	Molded Base Pad	Rubber	1 lb.	22 x 22 x 3"
400062	SRC360 Base Mover/Dolly	Powdercoat Yellow	23 lb.	65 x 20 x 20"
100155	Safety Rail Pin - 3"	Zinc	1 lb.	4 x 1 x 2"

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Size & Finish Options

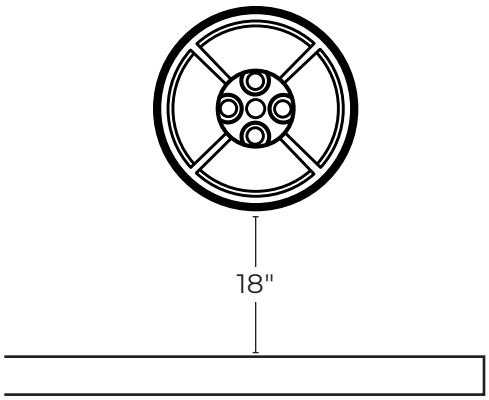
ITEM #	DESCRIPTION	FINISH	WEIGHT	DIMENSIONS
400322	Low Profile Kicker - 5'	Powdercoat Yellow	14 lb.	62 x 2 x 6"
400593	Low Profile Kicker - 5'	Galvanized	14 lb.	62 x 2 x 6"
401270	Low Profile Kicker - 5'	Galvanized/Powdercoat Yellow	14 lb.	62 x 2 x 6"
420709	Metal Toeboard for Mobile 10'	Powdercoat Yellow	23 lb.	123 x 3 x 6"
420708	Metal Toeboard for Mobile 9'	Powdercoat Yellow	21 lb.	111 x 3 x 6"
420707	Metal Toeboard for Mobile 8'	Powdercoat Yellow	19 lb.	99 x 3 x 6"
420705	Metal Toeboard for Mobile 7.5'	Powdercoat Yellow	17 lb.	93 x 3 x 6"
420706	Metal Toeboard for Mobile 7'	Powdercoat Yellow	16 lb.	87 x 3 x 6"
420704	Metal Toeboard for Mobile 6'	Powdercoat Yellow	14 lb.	75 x 3 x 6"
420703	Metal Toeboard for Mobile 5'	Powdercoat Yellow	11 lb.	63 x 3 x 6"
420702	Metal Toeboard for Mobile 4'	Powdercoat Yellow	8 lb.	51 x 3 x 6"
420701	Metal Toeboard for Mobile 3'	Powdercoat Yellow	7 lb.	39 x 3 x 6"
420700	Metal Toeboard for Mobile 2'	Powdercoat Yellow	6 lb.	27 x 3 x 6"
420719	Metal Toeboard for Mobile 10'	Galvanized	23 lb.	123 x 3 x 6"
420718	Metal Toeboard for Mobile 9'	Galvanized	21 lb.	111 x 3 x 6"
420717	Metal Toeboard for Mobile 8'	Galvanized	19 lb.	99 x 3 x 6"
420715	Metal Toeboard for Mobile 7.5'	Galvanized	17 lb.	93 x 3 x 6"
420716	Metal Toeboard for Mobile 7'	Galvanized	16 lb.	87 x 3 x 6"
420714	Metal Toeboard for Mobile 6'	Galvanized	14 lb.	75 x 3 x 6"
420713	Metal Toeboard for Mobile 5'	Galvanized	11 lb.	63 x 3 x 6"
420712	Metal Toeboard for Mobile 4'	Galvanized	8 lb.	51 x 3 x 6"
420711	Metal Toeboard for Mobile 3'	Galvanized	7 lb.	39 x 3 x 6"
420710	Metal Toeboard for Mobile 2'	Galvanized	6 lb.	27 x 3 x 6"
400852	U-Rail 10'	Powdercoat Yellow	35 lb.	122 x 22 x 41"
400853	U-Rail 10'	Galvanized	35 lb.	122 x 22 x 41"
400850	U-Rail 7.5'	Powdercoat Yellow	29 lb.	92 x 22 x 41"
400851	U-Rail 7.5'	Galvanized	29 lb.	92 x 22 x 41"
400849	U-Rail 5'	Powdercoat Yellow	19 lb.	62 x 22 x 41"
400998	U-Rail 5'	Galvanized	22 lb.	62 x 22 x 41"
401418	Rail To Rail Clamp 6"	Galvanized	11 lb.	10 x 9 x 3"
401419	Rail To Rail Clamp 6"	Powdercoat Yellow	11 lb.	10 x 9 x 3"
400719	Level Adapter	Galvanized	7 lb.	3 x 3 x 17"
401273	Low Profile Return Flat	Powdercoat Yellow	96 lb.	63 x 12 x 6"
401274	Low Profile Return Flat	Galvanized	96 lb.	63 x 12 x 6"
401275	Low Profile Return Flat	Galvanized/Powdercoat Yellow	96 lb.	63 x 12 x 6"

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Before Starting

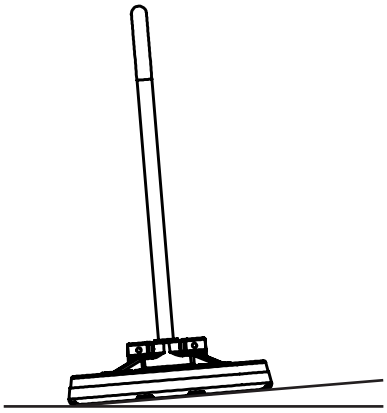
Tools Needed

No tools or welding needed for installation



Base Placement

Bases must be at least 18" from a fall edge lacking a parapet wall or lip of at least 1.5" tall and capable of withstanding a 200lb horizontal point load



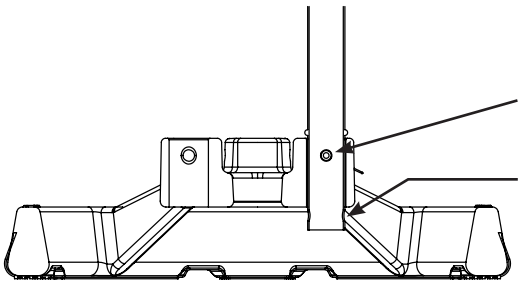
Surface Placement

Do not install on surfaces sloping greater than 1/12 pitch (greater than 4.75°)

Non-level surfaces OK: Base will allow a small amount (1°) of swivel ensure base makes full contact with the surface

Do not install on slippery surfaces such as metal or bare concrete. Clean all oils and particulates (sand, dust, etc.) from surface before placing bases

Where river rock is present: the rock must be cleared away and bases to be placed directly on the roof surface



Pin Placement

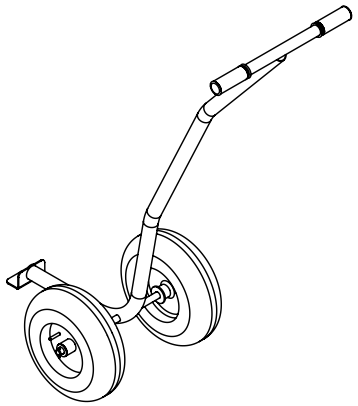
Pin orientation for straight runs and return "kicker" rails

Standard pin orientation for all runs and angles around obstructions

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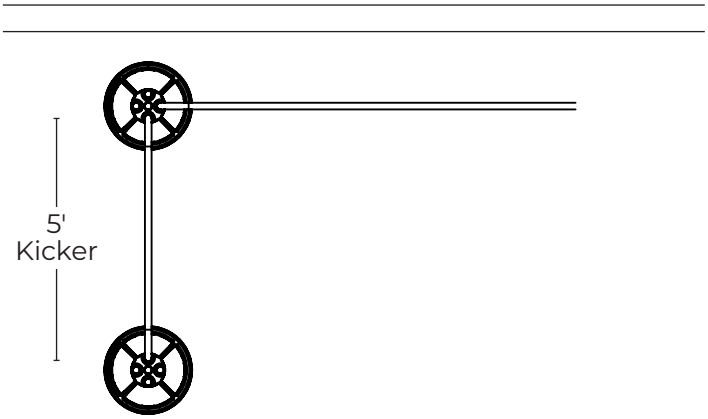
1

Lift bases individually with the SRC Base Mover. Pull toward yourself and down.



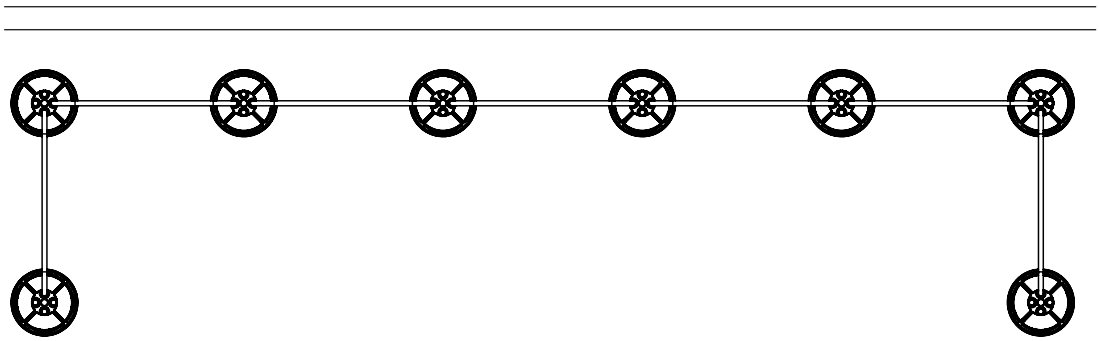
2

All rail segments along leading edge must begin and end with a 5' (152cm) return rail or "kicker."
*Use top pin hole when doing straight runs or 90° turns.



3

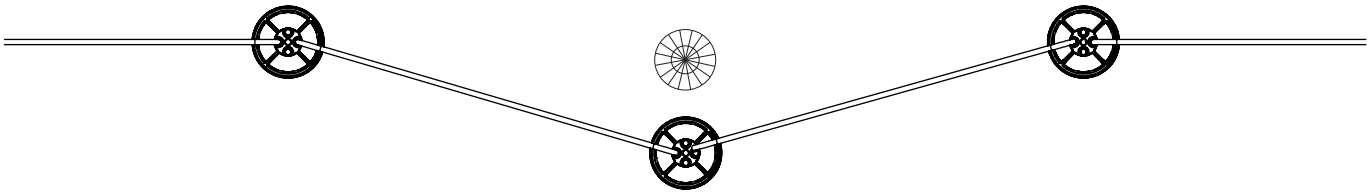
Once kicker is in place, move next base in approximate distance of railing. Insert railing into base port, adjust placement as needed.



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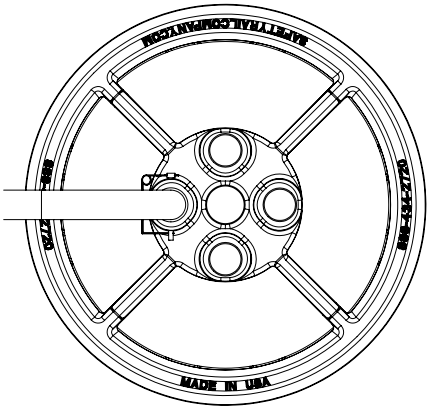
4

System will accommodate irregular rail segment angles around obstructions such as roof drains.
*Use bottom hole under base when securing pin.



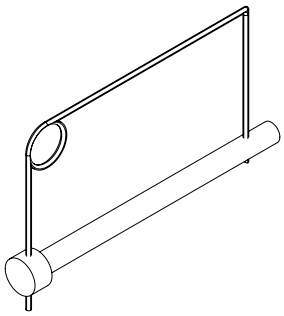
5

Secure rail in the ports using an SRC Safety Pin.



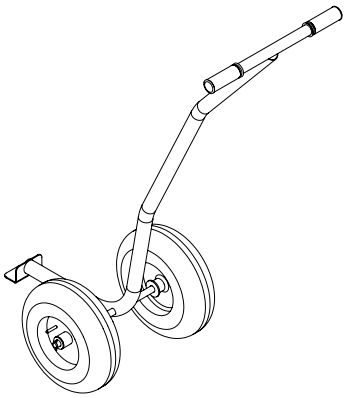
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Accessories



Safety Rail Pin

Secures rail to bases. The wire slips around the tip of the pin. Then tension in the wire prevents the pin from falling out due to forces or vibration.

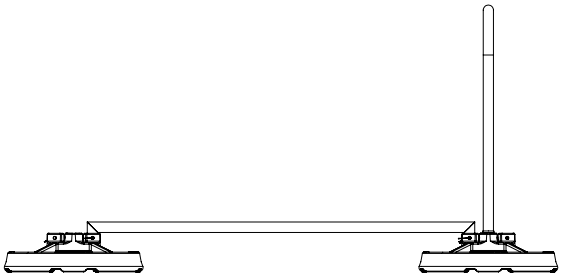


SRC360 Base Mover/Dolly

For easy transport of one SRC mobile base at a time.

Push base mover up to the center of a base and lift up on the handlebars enough for the nose plate to clear the top of the outer edge of the base but low enough for it to lift up on the underside of the rail port area.

Push down to raise the base and move as desired.

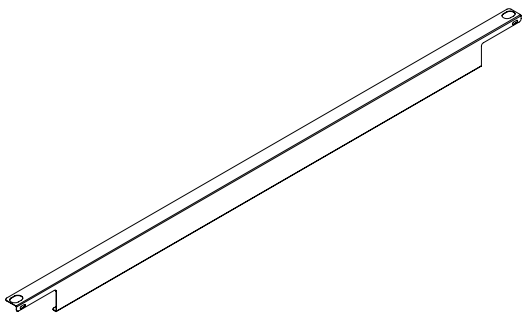


Low-Profile Kicker

Insert the low-profile leg into the base port and pin in place.

Repeat on the opposite side of the low-profile kicker.

Ideally, if you clock the base with the rail run in the 3 and 9 positions, the low-profile kicker would be in the 6 o'clock position.



Toeboard

Line up toeboard hole with the port on the mobile base in which the rail is being inserted.

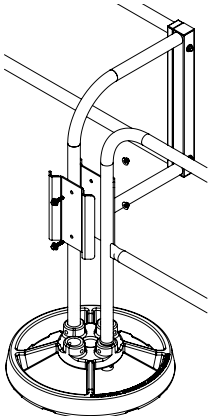
Insert the rail post through the toeboard hole and the base port and pin rail into the base.

Toeboard flat face should be toward the inside of the roof.

Repeat on the other end of the rail.

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Accessories

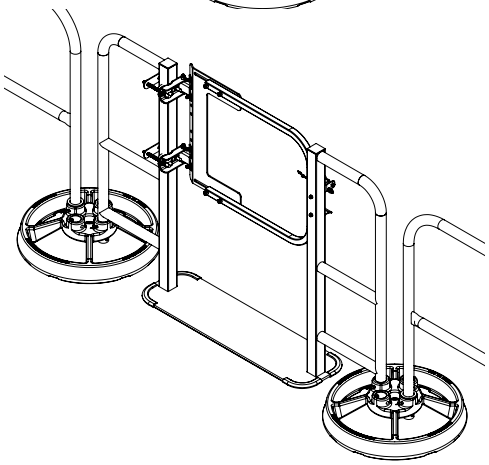


U-Rail with Rail-to-Rail Clamp

Used to protect areas close to the edge that lack enough space for a regular rail to pass through.

The clamp grips the rails next to the U-Rail and adds rigidity and reinforcement. U-Rail cannot be placed in which it extends beyond the fall edge.

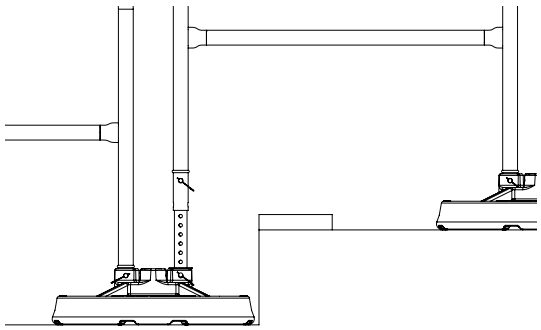
(2) 9⁄16" wrenches or sockets needed. Torque bolts to approximately 23 ft-lbs.



Mobile Gate Frame

Used by access points or to create an access point to allow a guardrail system to continue without terminating.

(1) 1⁄8" Hex Key and (1) 7⁄16" wrench or socket. Tools only required if changing orientation of the gate latch.
See Self-Closing Gate instructions for gate attachment.



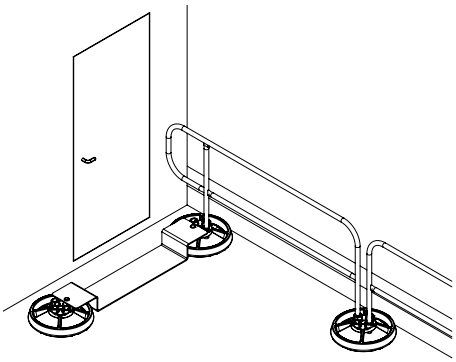
Level Adapter

Used when there's a 10" level change along the path of a guardrail system. A base must be placed right at the lower edge of the roof height transition to maintain a compliant rail height.

The level adapter gets placed in the lower base and pinned to the base.

The next rail is placed over the level adapter and in a base on the upper roof level.

When the rail is level, secure it to the Level Adapter by pinning through the predrilled holes. (For best practice, select the shortest rail necessary to span the change in roof elevation.)



Flat Return

Insert the flat return leg into the base port and pin in place.

Repeat on the opposite side of the flat return.

Ideally, if you clock the base with the rail run in the 3 and 9 positions, the flat return would be in the 6 o'clock position.

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Written Warranty

Warranty

Safety Rail Company hereby warrants our Safety Rail and other Fall Protection Products to be free from defects in materials and workmanship, under normal use, for a period of two (2) years from the date of purchase.

Exclusions

1) Damage due to abuse, negligence or uses other than their intended application.
2) Alterations or modifications to the product without prior approval of Safety Rail Company, LLC.

Limitation of Remedies and Liability

Safety Rail Company, LLC. shall not be liable for any special, incidental or consequential damages based upon breach of warranty, breach of contract, negligence, strict tort or any other legal theory. Such damages include, but are not limited to, loss of profits, loss of savings revenue, cost of capital, cost of any substitute equipment, facilities or services, downtime, the claims of third parties (including customers) and injury to property.

Safety Rail Company's liability in all events is limited to, and shall not exceed the purchase price paid for the product that may give rise to any liability.

Disclaimer

This warranty is in lieu of all other warranties, express or implied, and is understood to be the complete and exclusive warranty. No employee or representative of Safety Rail Company, LLC. is authorized to make any warranty in addition to the terms specified in this warranty.

How to Obtain Warranty Service

To make a warranty claim or obtain service authorization, contact the SRC warranty department at: warranty@safetyrailcompany.com or call 1-888-434-2720. Please provide proof of purchase, a description of the issue, photos (if available), and product identifying information with your claim.

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