



FABENCo, Inc.

Providing Safety Solutions Since 1972

A Safety Products Group Company

Master Catalog & Reference Guide



**Fall Protection • Access Control • Machine Guarding
Pedestrian Traffic Management • Security**



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In 1972, FabEnCo introduced its first patented self-closing safety gate to meet the OSHA requirement for fall protection at platform and ladderway openings. Today, FabEnCo has sold more than 600,000 self-closing safety gates and is recognized as the world's leading manufacturer of industrial safety gates.

Over the past four decades, FabEnCo has been the “one-stop shop” for high-quality, American-made safety gates. Our full range of gates helps companies eliminate the time and expense of fabricating their own gates while providing fall protection, access control, machine guarding, pedestrian traffic management and security at ladder, platform and stair openings, as well as catwalks and mezzanines.

FabEnCo's adjustable swinging safety gates fit unprotected openings from 16 inches to 39.5 inches. To protect openings up to 6 feet wide, customers can mount FabEnCo safety gates on both the left and right rail in a one-way “saloon door” configuration. On request, FabEnCo also develops custom safety gates to meet our customers' special requirements or protect unusual openings up to 60 inches.

Easy to install on all types of handrails (angle, flatbar and pipe) or to existing walls, most gates can be mounted on either the left or right side of handrail openings. Adjustment bolts provide positive stop without handrail contact and, once the bolts have been adjusted, each safety gate's reliable stainless-steel spring automatically closes the gate to the customizable stop point set on the gate - up to a 90° angle.

The FabEnCo family of safety gates includes the A Series (the original double bar gate), the XL Series (for extended vertical coverage), the R and RX Series, (our competitively-priced, standard bolt-on safety gates), the Z and ZT Series (designed specifically for new construction projects), the G Series (our new universal hinge mount gate with 6” lateral adjustment capabilities) and the MZ Series (our new mezzanine-pivot safety gate). FabEnCo safety gates are manufactured with high-quality carbon steel, with A Series, XL Series, G Series and MZ Series available stainless steel. The A Series and XL Series are also available in aluminum. FabEnCoat™ finishes include galvanized and environmentally-friendly “safety yellow” powder coated.

Safety gates are shipped directly from FabEnCo's manufacturing facilities in Houston, Texas, or from one of our many distributors, and arrive with all the necessary mounting hardware. Easy-to-follow mounting tips are included with each gate. In addition to contacting the company by phone, customers have the option of easy online ordering using a major credit card or charging their open account. FabEnCo also supports blanket orders and JIT programs.





The Original Self-Closing Safety Gate

This series of FabEnCo Safety Gates is available in carbon steel, as well as aluminum and stainless steel for special applications/environments. FabEnCoat™ finishes include galvanized and environmentally-friendly safety yellow powder coated.

Easy to Install • Stainless Steel Spring
Positive Stop • Variety of FabEnCoat™ Finishes
Fits on All Handrails • Mounts Left or Right

Determining the proper gate size for your application only requires the measurement of the inside clear opening.

A36 Carbon Steel Galvanized

Model No.	Fits Clear Opening*	Estimated Weight
A71-16	17-18.5"	34 lbs.
A71-18	19-21.5"	35 lbs.
A71-21	22-24.5"	35 lbs.
A71-24	25-27.5"	36 lbs.
A71-27	28-30.5"	36 lbs.
A71-30	31-33.5"	37 lbs.
A71-33	34-36.5"	37 lbs.
A71-36	37-39.5"	38 lbs.

6061-T6 Aluminum

Model No.	Fits Clear Opening*	Estimated Weight
A82-16	17-18.5"	14 lbs.
A82-18	19-21.5"	15 lbs.
A82-21	22-24.5"	15 lbs.
A82-24	25-27.5"	16 lbs.
A82-27	28-30.5"	16 lbs.
A82-30	31-33.5"	17 lbs.
A82-33	34-36.5"	17 lbs.
A82-36	37-39.5"	18 lbs.

A36 Carbon Steel with Safety Yellow Powder Coat

Model No.	Fits Clear Opening*	Estimated Weight
A71-16PC	17-18.5"	34 lbs.
A71-18PC	19-21.5"	35 lbs.
A71-21PC	22-24.5"	35 lbs.
A71-24PC	25-27.5"	36 lbs.
A71-27PC	28-30.5"	36 lbs.
A71-30PC	31-33.5"	37 lbs.
A71-33PC	34-36.5"	37 lbs.
A71-36PC	37-39.5"	38 lbs.

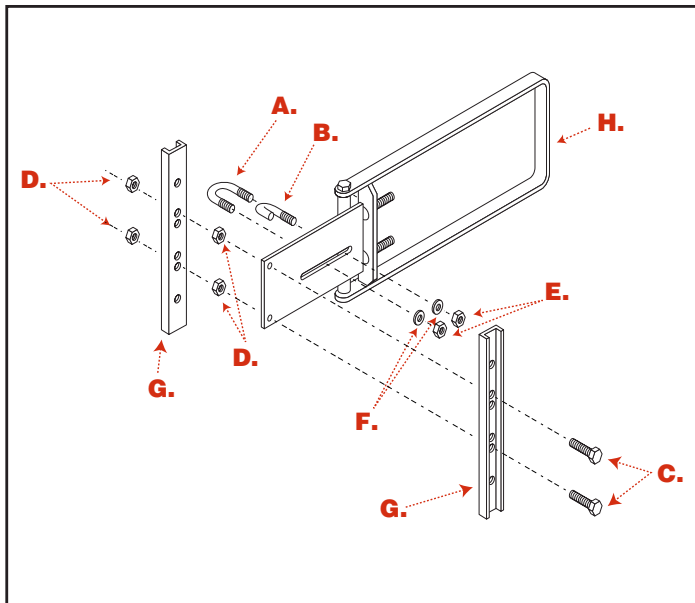
316L Stainless Steel

Model No.	Fits Clear Opening*	Estimated Weight
A94-16	17-18.5"	34 lbs.
A94-18	19-21.5"	35 lbs.
A94-21	22-24.5"	35 lbs.
A94-24	25-27.5"	36 lbs.
A94-27	28-30.5"	36 lbs.
A94-30	31-33.5"	37 lbs.
A94-33	34-36.5"	37 lbs.
A94-36	37-39.5"	38 lbs.

*No adjustment when mounting at right angle; 1/4" allowed for pivot point

The standard sizes listed above are stock items. FabEnCo also manufactures custom safety gates for wider openings or unusual handrail configurations. Please contact us with your special requirements.

The FabEnCo A Series Self-Closing Safety Gate can be easily installed in minutes on all types of handrails (angle, flatbar, pipe) or to existing walls. It can be mounted left or right, on either side of a handrail. The Safety Gate's stainless steel spring automatically closes the gate after each passage and adjustment bolts provide positive stop without handrail contact.



Hardware

Parts	Quantity
A. U-Bolt*	1
B. J-Bolt*	1
C. 1/2" Zinc-Plated Bolts	2
D. 1/2" Zinc-Plated Heavy Hex Nuts	4
E. 3/8" Zinc-Plated Heavy Hex Nuts	2
F. 3/8" Zinc-Plated Washers	2
G. Channels	2
H. Mounting Plate/Frame Assembly	1
(with 2 adjustable stop bolts)	

*Use U-Bolt for installation on pipes and J-Bolt for installation on angles.

Suggested Tools: Adjustable Wrench and Socket Set with 7/8" and 11/16" Sockets

Installation

Step 1: Insert the U-Bolt (or J-Bolt) through the slot in the Mounting Plate/Frame Assembly. Fasten to the handrail with the 3/8" Washers and 3/8" Nuts.

Step 2: Insert the 1/2" Bolts through the set of holes (at the desired level) on one Channel, then through the Mounting Plate/Frame Assembly. Fasten the 1/2" Nuts onto the 1/2" Bolts and tighten flush against the Mounting Plate/Frame Assembly to stabilize.

Step 3: Place the second Channel on the other side of the handrail and tighten with the remaining 1/2" Nuts.

For additional information or assistance, call 1-800-962-6111 or e-mail us at info@safetygate.com

For Mounting Tips in other languages, please visit our website at www.safetygate.com/product-literature



The Extended Coverage Self-Closing Safety Gate

This series of FabEnCo Safety Gates is available in carbon steel, as well as aluminum and stainless steel for special applications/environments. FabEnCoat™ finishes include galvanized and environmentally-friendly safety yellow powder coated.

Easy to Install • Stainless Steel Spring
Positive Stop • Variety of FabEnCoat™ Finishes
Fits on All Handrails • Mounts Left or Right

Determining the proper gate size for your application only requires the measurement of the inside clear opening.

A36 Carbon Steel Galvanized

Model No.	Fits Clear Opening*	Estimated Weight
XL71-16	17-18.5"	40 lbs.
XL71-18	19-21.5"	42 lbs.
XL71-21	22-24.5"	42 lbs.
XL71-24	25-27.5"	44 lbs.
XL71-27	28-30.5"	44 lbs.
XL71-30	31-33.5"	46 lbs.
XL71-33	34-36.5"	46 lbs.
XL71-36	37-39.5"	48 lbs.

6061-T6 Aluminum

Model No.	Fits Clear Opening*	Estimated Weight
XL82-16	17-18.5"	20 lbs.
XL82-18	19-21.5"	22 lbs.
XL82-21	22-24.5"	22 lbs.
XL82-24	25-27.5"	24 lbs.
XL82-27	28-30.5"	24 lbs.
XL82-30	31-33.5"	26 lbs.
XL82-33	34-36.5"	26 lbs.
XL82-36	37-39.5"	28 lbs.

A36 Carbon Steel with Safety Yellow Powder Coat

Model No.	Fits Clear Opening*	Estimated Weight
XL71-16PC	17-18.5"	40 lbs.
XL71-18PC	19-21.5"	42 lbs.
XL71-21PC	22-24.5"	42 lbs.
XL71-24PC	25-27.5"	44 lbs.
XL71-27PC	28-30.5"	44 lbs.
XL71-30PC	31-33.5"	46 lbs.
XL71-33PC	34-36.5"	46 lbs.
XL71-36PC	37-39.5"	48 lbs.

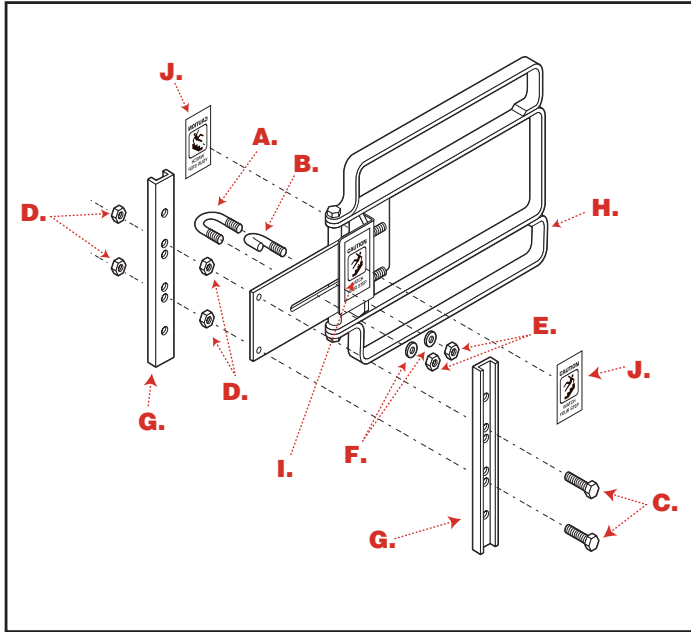
316L Stainless Steel

Model No.	Fits Clear Opening*	Estimated Weight
XL94-16	17-18.5"	40 lbs.
XL94-18	19-21.5"	42 lbs.
XL94-21	22-24.5"	42 lbs.
XL94-24	25-27.5"	44 lbs.
XL94-27	28-30.5"	44 lbs.
XL94-30	31-33.5"	46 lbs.
XL94-33	34-36.5"	46 lbs.
XL94-36	37-39.5"	48 lbs.

*No adjustment when mounting at right angle; 1/4" allowed for pivot point

The standard sizes listed above are stock items. FabEnCo also manufactures custom safety gates for wider openings or unusual handrail configurations. Please contact us with your special requirements.

The FabEnCo XL Series Self-Closing Safety Gate can be easily installed in minutes on all types of handrails (angle, flatbar, pipe) or to existing walls. It can be mounted left or right, on either side of a handrail. The Safety Gate's stainless steel spring automatically closes the gate after each passage and adjustment bolts provide positive stop without handrail contact.



Hardware

Parts	Quantity
A. U-Bolt*	1
B. J-Bolt*	1
C. 1/2" Zinc-Plated Bolts	2
D. 1/2" Zinc-Plated Heavy Hex Nuts	4
E. 3/8" Zinc-Plated Heavy Hex Nuts	2
F. 3/8" Zinc-Plated Washers	2
G. Channels	2
H. Mounting Plate/Frame Assembly	1
(with 2 adjustable stop bolts)	
I. Sign Kit	1
(ships installed on Mounting Plate/Frame Assembly)	
J. Safety Labels	2

*Use U-Bolt for installation on pipes and J-Bolt for installation on angles.

Suggested Tools: Adjustable Wrench and Socket Set with 7/8" and 11/16" Sockets

Installation

Step 1: Insert the U-Bolt (or J-Bolt) through the slot in the Mounting Plate/Frame Assembly. Fasten to the handrail with the 3/8" Washers and 3/8" Nuts.

Step 2: Insert the 1/2" Bolts through the set of holes on one Channel, then through the Mounting Plate/Frame Assembly. Fasten the 1/2" Nuts onto the 1/2" Bolts and tighten flush against the Mounting Plate/Frame Assembly to stabilize.

Step 3: Place the second Channel on the other side of the handrail and tighten with the remaining 1/2" Nuts. Apply Safety Labels to Sign Kit.

For additional information or assistance, call 1-800-962-6111 or e-mail us at info@safetygate.com

For Mounting Tips in other languages, please visit our website at www.safetygate.com/product-literature



The Standard Bolt-On Safety Gate

This series of FabEnCo Safety Gates is available in carbon steel. FabEnCoat™ finishes include galvanized and environmentally-friendly safety yellow powder coated.

Easy to Install • Stainless Steel Spring
Positive Stop • Variety of FabEnCoat™ Finishes
The Alternative to Plastic Gates

Determining the proper gate size for your application only requires the measurement of the inside clear opening.

A36 Carbon Steel Galvanized

Model No.	Fits Clear Opening*	Estimated Weight
R70-16	17-18.5"	22 lbs.
R70-18	19-21.5"	23 lbs.
R70-21	22-24.5"	23 lbs.
R70-24	25-27.5"	24 lbs.
R70-27	28-30.5"	24 lbs.

Gate mounts left or right

**No adjustment when mounting at right angle; 1/4" allowed for pivot point*

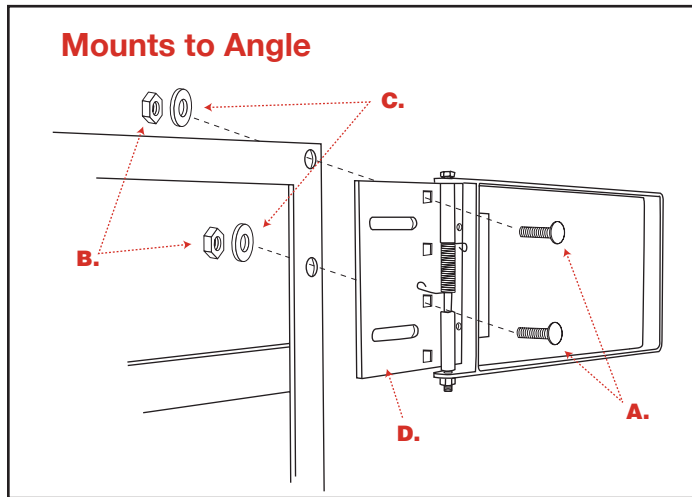
A36 Carbon Steel with Safety Yellow Powder Coat

Model No.	Fits Clear Opening*	Estimated Weight
R70-16PC	17-18.5"	22 lbs.
R70-18PC	19-21.5"	23 lbs.
R70-21PC	22-24.5"	23 lbs.
R70-24PC	25-27.5"	24 lbs.
R70-27PC	28-30.5"	24 lbs.

Gate mounts left or right

The standard sizes listed above are stock items. FabEnCo also manufactures custom safety gates for wider openings or unusual handrail configurations. Please contact us with your special requirements.

The FabEnCo R Series Self-Closing Safety Gate can be installed on all types of handrails (angle, flatbar, pipe). Choose standard or 90° stop positions.



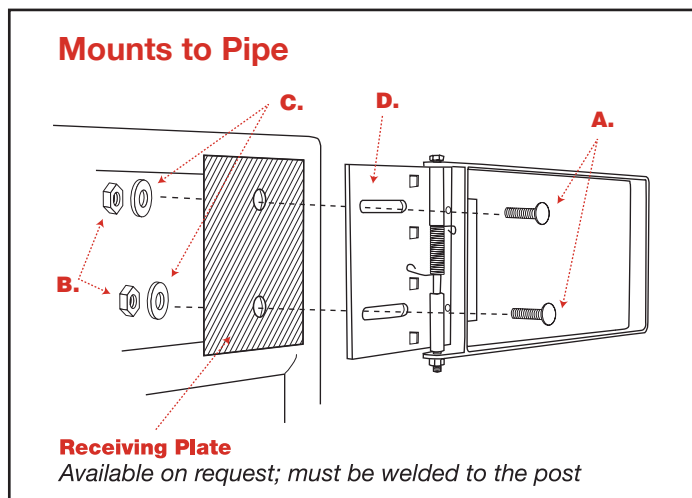
Hardware

Parts

Quantity

- | | |
|--|---|
| A. 5/8" Zinc-Plated Carriage Bolts | 2 |
| B. 5/8" Zinc-Plated Heavy Hex Nuts | 2 |
| C. 5/8" Zinc-Plated Lock Washers..... | 2 |
| D. Mounting Plate/Assembly Frame..... | 1 |
| (with 1 Stop Plate) | |

Suggested Tools: Adjustable Wrench and Socket Set with 1-1/16" and 9/16" Sockets



Angle Post Installation

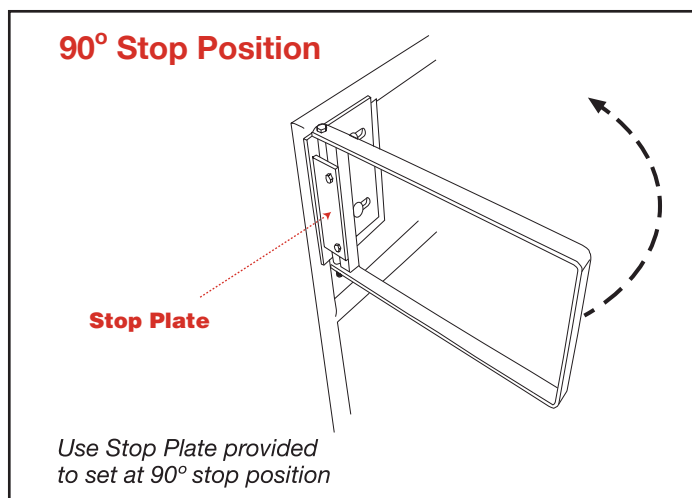
Step 1: Drill two holes in the angle post to fit preferred bolt position.

Step 2: Insert the 5/8" Carriage Bolts (A) through the holes and fasten the gate to the post with the 5/8" Heavy Hex Nuts (B) and 5/8" Lock Washers (C).

Pipe Post Installation

Step 1: Weld the Receiving Plate to the pipe post.

Step 2: Insert the 5/8" Carriage Bolts (A) through the holes and fasten the gate to the post with the 5/8" Heavy Hex Nuts (B) and 5/8" Lock Washers (C).



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The Standard Bolt-On Extended Coverage Safety Gate

This series of FabEnCo Safety Gates is available in carbon steel. FabEnCoat™ finishes include galvanized and environmentally-friendly safety yellow powder coated.

Easy to Install • Stainless Steel Spring
Positive Stop • Variety of FabEnCoat™ Finishes
The Alternative to Plastic Gates

Determining the proper gate size for your application only requires the measurement of the inside clear opening.

A36 Carbon Steel Galvanized

Model No.	Fits Clear Opening*	Estimated Weight
RX70-18L	19-21.5"	28 lbs.
RX70-18R	19-21.5"	28 lbs.
RX70-21L	22-24.5"	28 lbs.
RX70-21R	22-24.5"	28 lbs.
RX70-24L	25-27.5"	30 lbs.
RX70-24R	25-27.5"	30 lbs.
RX70-27L	28-30.5"	30 lbs.
RX70-27R	28-30.5"	30 lbs.
RX70-30L	31-33.5"	32 lbs.
RX70-30R	31-33.5"	32 lbs.
RX70-33L	34-36.5"	32 lbs.
RX70-33R	34-36.5"	32 lbs.

"L" denotes left-hand swing
 "R" denotes right-hand swing

**No adjustment when mounting at right angle; 1/4" allowed for pivot point*

A36 Carbon Steel with Safety Yellow Powder Coat

Model No.	Fits Clear Opening*	Estimated Weight
RX70-18PCL	19-21.5"	28 lbs.
RX70-18PCR	19-21.5"	28 lbs.
RX70-21PCL	22-24.5"	28 lbs.
RX70-21PCR	22-24.5"	28 lbs.
RX70-24PCL	25-27.5"	30 lbs.
RX70-24PCR	25-27.5"	30 lbs.
RX70-27PCL	28-30.5"	30 lbs.
RX70-27PCR	28-30.5"	30 lbs.
RX70-30PCL	31-33.5"	32 lbs.
RX70-30PCR	31-33.5"	32 lbs.
RX70-33PCL	34-36.5"	32 lbs.
RX70-33PCR	34-36.5"	32 lbs.

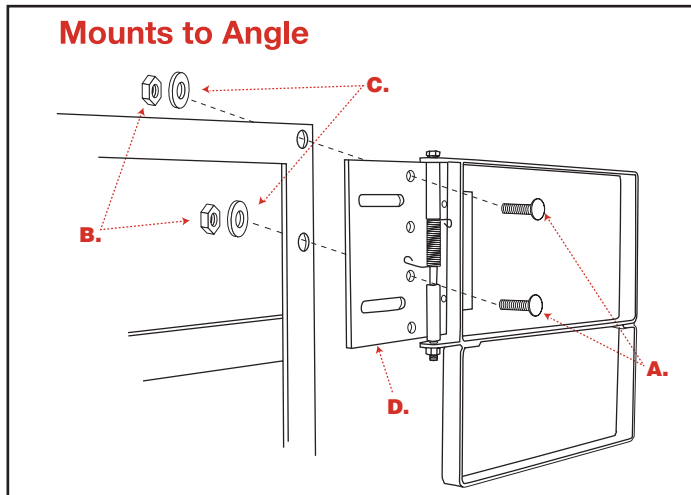
"L" denotes left-hand swing
 "R" denotes right-hand swing

The RX Series is the only gate that requires a swing direction to be specified because the mounting plate is at the top of the gate rather than the center and, therefore, cannot be reversed (flipped) to fit both the right and left hand side of a handrail.

RX Series safety gates have an L (left) or R (right) designation. This designation indicates the direction the gate swings when you push the gate open to walk through the protected opening.

The standard sizes listed above are stock items. FabEnCo also manufactures custom safety gates for wider openings or unusual handrail configurations. Please contact us with your special requirements.

The FabEnCo RX Series Self-Closing Safety Gate can be installed on all types of handrails (angle, flatbar, pipe). Choose standard or 90° stop positions.



Hardware

Parts

Quantity

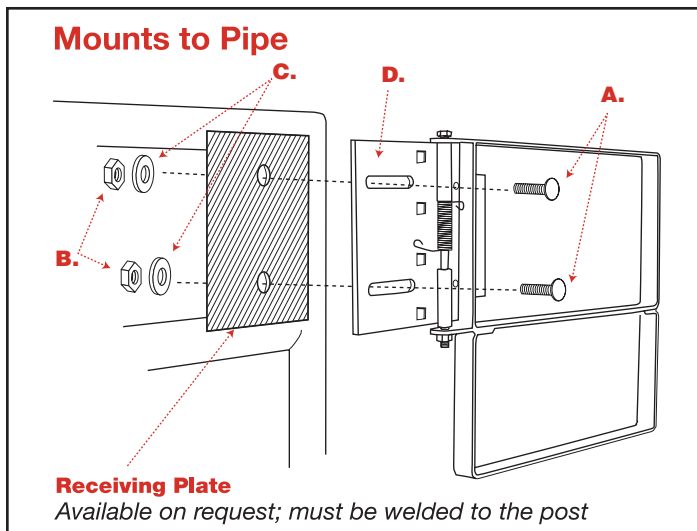
- | | |
|--|---|
| A. 5/8" Zinc-Plated Carriage Bolts | 2 |
| B. 5/8" Zinc-Plated Heavy Hex Nuts | 2 |
| C. 5/8" Zinc-Plated Lock Washers..... | 2 |
| D. Mounting Plate/Assembly Frame | 1 |
| <i>(with 1 Stop Plate)</i> | |

Suggested Tools: Adjustable Wrench and Socket Set with 1-1/16" and 9/16" Sockets

Angle Post Installation

Step 1: Drill two holes in the angle post to fit preferred bolt position.

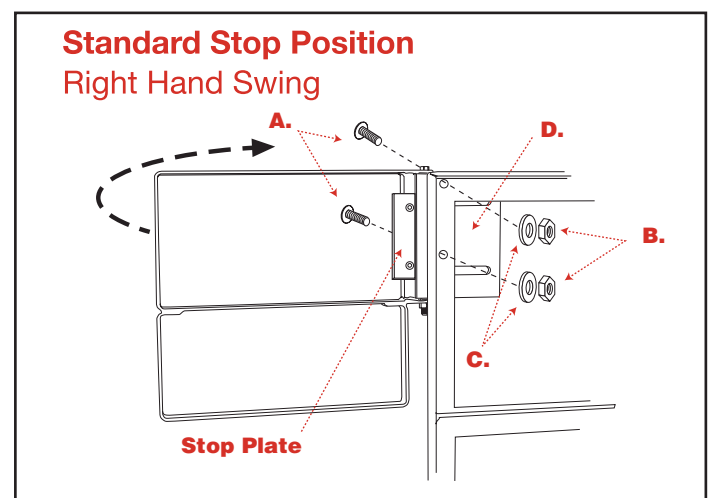
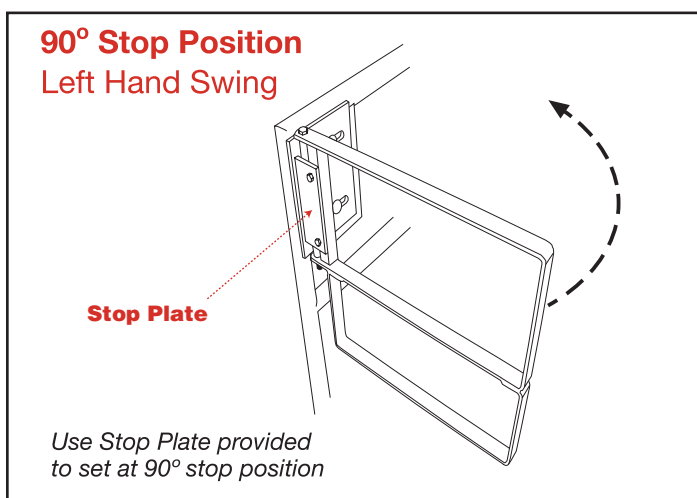
Step 2: Insert the 5/8" Carriage Bolts (A) through the holes and fasten the gate to the post with the 5/8" Heavy Hex Nuts (B) and 5/8" Lock Washers (C).



Pipe Post Installation

Step 1: Weld the Receiving Plate to the pipe post.

Step 2: Insert the 5/8" Carriage Bolts (A) through the holes and fasten the gate to the post with the 5/8" Heavy Hex Nuts (B) and 5/8" Lock Washers (C).



For additional information or assistance, call 1-800-962-6111 or e-mail us at info@safetygate.com

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The Safety Gate for New Construction

This series of FabEnCo Safety Gates is available in carbon steel. FabEnCoat™ finishes include galvanized and environmentally-friendly safety yellow powder coated.

Easy to Install • Stainless Steel Spring
Positive Stop • Variety of FabEnCoat™ Finishes
Fits on All Handrails • Mounts Left or Right

Determining the proper gate size for your application only requires the measurement of the inside clear opening.

A36 Carbon Steel Galvanized

Model No.	Fits Clear Opening *	Estimated Weight
Z70-21	22-24.5"	33 lbs.
Z70-24	25-27.5"	35 lbs.
Z70-27	28-30.5"	37 lbs.
Z70-30	31-33.5"	39 lbs.
Z70-33	34-36.5"	41 lbs.
Z70-36	37-39.5"	43 lbs.

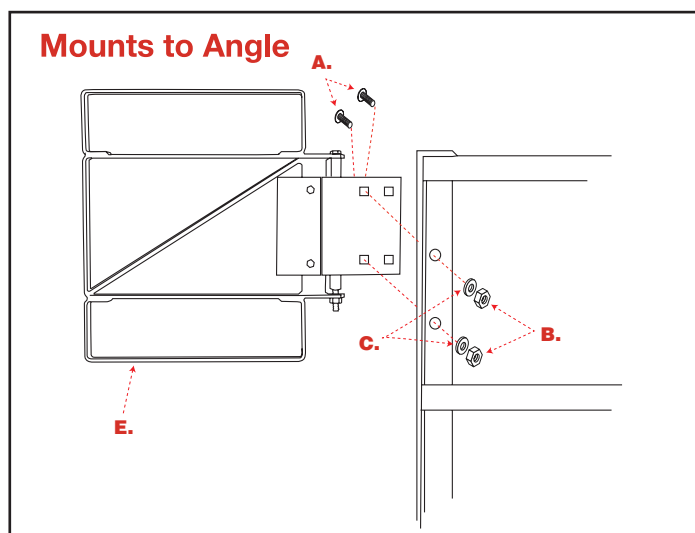
A36 Carbon Steel with Safety Yellow Powder Coat

Model No.	Fits Clear Opening *	Estimated Weight
Z70-21PC	22-24.5"	33 lbs.
Z70-24PC	25-27.5"	35 lbs.
Z70-27PC	28-30.5"	37 lbs.
Z70-30PC	31-33.5"	39 lbs.
Z70-33PC	34-36.5"	41 lbs.
Z70-36PC	37-39.5"	43 lbs.

**No adjustment when mounting at right angle; 1/4" allowed for pivot point*

The standard sizes listed above are stock items. FabEnCo also manufactures custom safety gates for wider openings or unusual handrail configurations. Please contact us with your special requirements.

The FabEnCo Z Series Self-Closing Safety Gate can be installed on all types of handrails (angle, flatbar, pipe) or to existing walls. It can be mounted left or right, on either side of a handrail. You can choose a standard or 90° stop position. Once installed, our custom stainless steel spring automatically closes the gate after each passage.



Hardware

Parts	Quantity
A. 5/8" Zinc-Plated Carriage Bolts	2
B. 5/8" Zinc-Plated Heavy Hex Nuts	2
C. 5/8" Zinc-Plated Lock Washers.....	2
D. Pipe Post Adapter.....	1
E. Mounting Plate/Assembly Frame	1
(with 1 Stop Plate)	

Suggested Tools: 1-1/16" Socket

Angle Post Installation

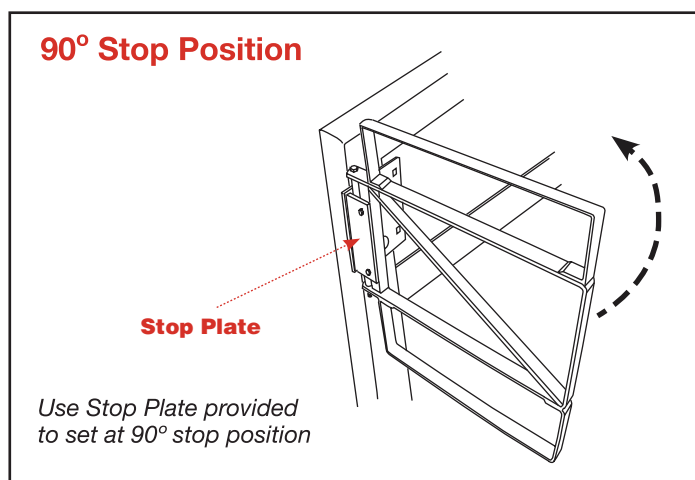
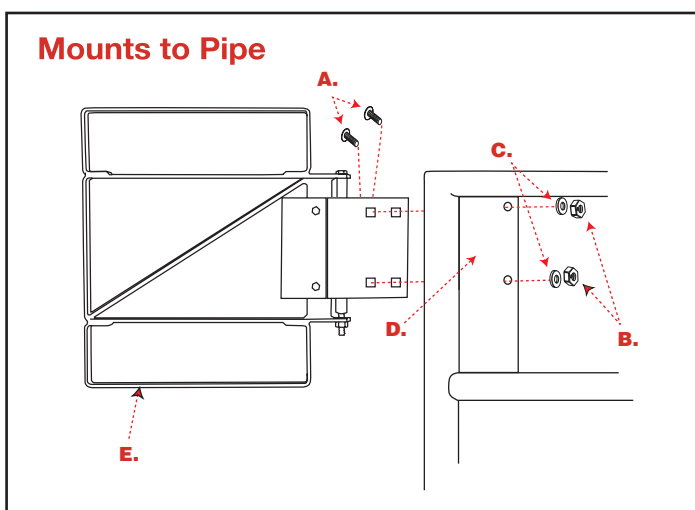
Step 1: Using the Pipe Post Adapter (D - see "Mounts to Pipe" illustration) as a template, drill two holes in the angle post to fit preferred bolt position.

Step 2: Insert the 5/8" Carriage Bolts (A) through the holes and fasten the gate to the post with the 5/8" Heavy Hex Nuts (B) and 5/8" Lock Washers (C).

Pipe Post Installation

Step 1: Weld the Pipe Post Adapter (D) to the pipe post.

Step 2: Insert the 5/8" Carriage Bolts (A) through the holes and fasten the gate to the post with the 5/8" Heavy Hex Nuts (B) and 5/8" Lock Washers (C).



For additional information or assistance, call 1-800-962-6111 or e-mail us at info@safetygate.com

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The Full Coverage Safety Gate

This series of FabEnCo Safety Gates is available in carbon steel. FabEnCoat™ finishes include galvanized and environmentally-friendly safety yellow powder coated.

Easy to Install • Stainless Steel Spring
Positive Stop • Variety of FabEnCoat™ Finishes
Fits on All Handrails • Mounts Left or Right

Determining the proper gate size for your application only requires the measurement of the inside clear opening.

A36 Carbon Steel Galvanized

Model No.	Fits Clear Opening *	Estimated Weight
ZT70-21	22-24.5"	49 lbs.
ZT70-24	25-27.5"	51 lbs.
ZT70-27	28-30.5"	53 lbs.
ZT70-30	31-33.5"	55 lbs.
ZT70-33	34-36.5"	57 lbs.
ZT70-36	37-39.5"	59 lbs.

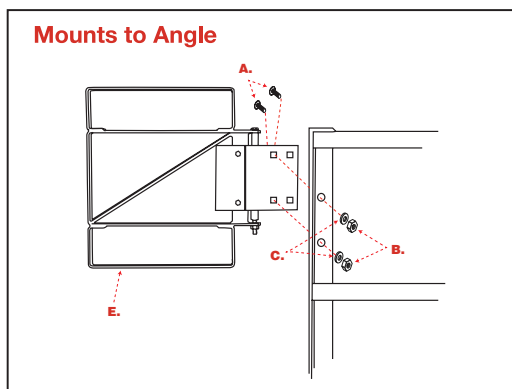
A36 Carbon Steel with Safety Yellow Powder Coat

Model No.	Fits Clear Opening *	Estimated Weight
ZT70-21PC	22-24.5"	49 lbs.
ZT70-24PC	25-27.5"	51 lbs.
ZT70-27PC	28-30.5"	53 lbs.
ZT70-30PC	31-33.5"	55 lbs.
ZT70-33PC	34-36.5"	57 lbs.
ZT70-36PC	37-39.5"	59 lbs.

**No adjustment when mounting at right angle; 1/4" allowed for pivot point*

The standard sizes listed above are stock items. FabEnCo also manufactures custom safety gates for wider openings or unusual handrail configurations. Please contact us with your special requirements.

The FabEnCo ZT Series Self-Closing Safety Gate can be installed on all types of handrails (angle, flatbar, pipe) or to existing walls. It can be mounted left or right, on either side of a handrail. You can choose a standard or 90° stop position. Once installed, our custom stainless steel spring automatically closes the gate after each passage.



Hardware

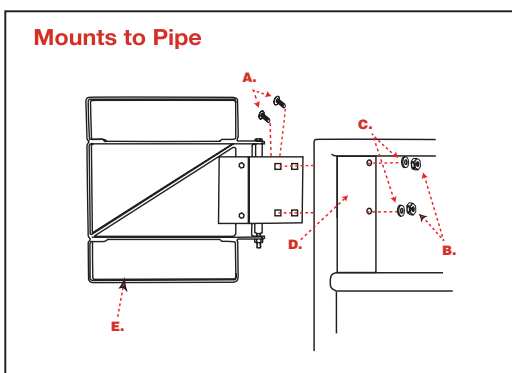
Parts

Quantity

- A. 5/8" Zinc-Plated Carriage Bolts 2
- B. 5/8" Zinc-Plated Heavy Hex Nuts 2
- C. 5/8" Zinc-Plated Lock Washers..... 2
- D. Pipe Post Adapter..... 1
- E. Mounting Plate/Assembly Frame..... 1

(with 1 Stop Plate)

Suggested Tools: 1-1/16" Socket



Angle Post Installation

Step 1: Using the Pipe Post Adapter (D - see "Mounts to Pipe" illustration) as a template, drill two holes in the angle post to fit preferred bolt position.

Step 2: Insert the 5/8" Carriage Bolts (A) through the holes and fasten the gate to the post with the 5/8" Heavy Hex Nuts (B) and 5/8" Lock Washers (C).

Pipe Post Installation

Step 1: Weld the Pipe Post Adapter (D) to the pipe post.

Step 2: Insert the 5/8" Carriage Bolts (A) through the holes and fasten the gate to the post with the 5/8" Heavy Hex Nuts (B) and 5/8" Lock Washers (C).

Toe Board Kit

The FabEnCo Toe Board Kit is a clamp-on extension for Z Gates that provides continued handrail/toe board protection across the ladderway opening.

Step 1: Pull Toe Board Frame open to match safety gate frame.

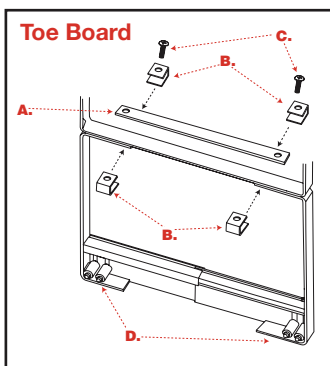
Step 2: Center Spacer Bar (A) on bottom rail of safety gate.

Step 3: Align top of Toe Board Frame with safety gate frame.

Step 4: Slide Clamp Clips (B) in place and align holes with threaded holes in Spacer Bar (A).

Step 5: Tighten Clamp Clips (B) to Spacer Bar (A) with Clip Bolts (C) to secure assembly.

Step 6: Set Toe Board height and secure Height Adjustment "U" Bolts (D) using a 11/16" socket.



Hardware

Parts

Quantity

- A. Spacer Bar 1
- B. Clamp Clips..... 4
- C. Clip Bolts..... 2
- D. Height Adjustment "U" Bolts..... 2

Suggested Tools:

7/32" Allen Wrench and 11/16" Socket

For additional information or assistance, call 1-800-962-6111 or e-mail us at info@safetygate.com

For Mounting Tips in other languages, please visit our website at www.safetygate.com/product-literature



The Universal Hinge Mount Safety Gate

This series of FabEnCo Safety Gates is available in carbon steel and stainless steel for special applications/environments. FabEnCoat™ finishes include galvanized and environmentally-friendly safety yellow powder coated.

Easy to Install • Stainless Steel Springs

Fits various railing sizes and shapes

6" lateral adjustment • Mounts Left or Right

Determining the proper gate size for your application only requires the measurement of the inside clear opening.

A36 Carbon Steel Galvanized

Model No.	Fits Clear Opening	Est. Weight
G72-21	18" - 24"	26 lbs
G72-27	24" - 30"	28 lbs
G72-33	30" - 36"	30 lbs
G72-39	36" - 42"	32 lbs
G72-45	42" - 48"	34 lbs

A36 Carbon Steel with Safety Yellow Powder Coat

Model No.	Fits Clear Opening	Est. Weight
G72-21PC	18" - 24"	26 lbs
G72-27PC	24" - 30"	28 lbs
G72-33PC	30" - 36"	30 lbs
G72-39PC	36" - 42"	32 lbs
G72-45PC	42" - 48"	34 lbs

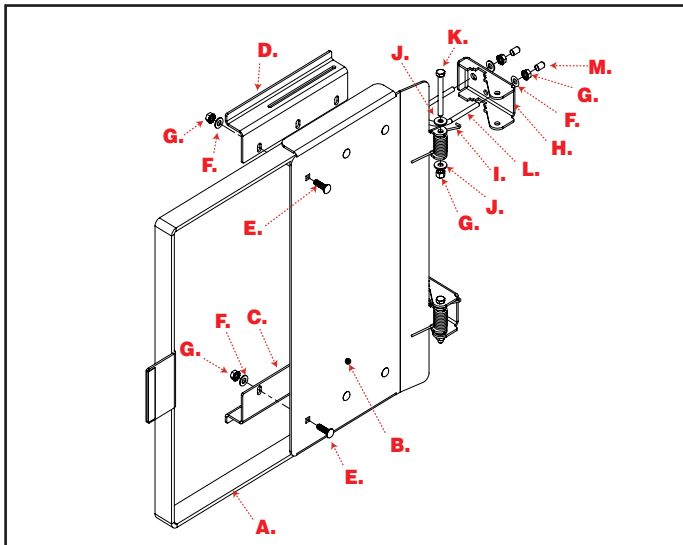
316L Stainless Steel

Model No.	Fits Clear Opening	Est. Weight
G94-21	18" - 24"	25 lbs
G94-27	24" - 30"	27 lbs
G94-33	30" - 36"	29 lbs
G94-39	36" - 42"	31 lbs
G94-45	42" - 48"	33 lbs

All gates furnished with sealed welded endcaps

The standard sizes listed above are stock items. FabEnCo also manufactures custom safety gates for wider openings or unusual handrail configurations. Please contact us with your special requirements.

The FabEnCo Self-Closing safety gate can be easily installed in minutes on all types of handrails (angle, flatbar, pipe) or to existing walls. It can be mounted left or right, on either side of a handrail. The safety gate's stainless steel springs automatically close the gate after each passage.



Hardware

Parts

Quantity

A. Frame Weldment	1
B. Hinge Plate.....	1
C. Compression Clamp - R.....	1
D. Compression Clamp - L	1
E. 5/16" x 2" Carriage Bolts	6
F. 5/16" Washers	10
G. 5/16" KEPS Nuts.....	12
H. Hinge Brackets.....	2
I. Stainless Steel Springs.....	2
J. 5/16" Nylon Washers	4
K. 5/16" x 3" Hex Bolts.....	2
L. 5/16" U-Bolts.....	2
M. Rubber Caps	4

Installation

Step 1: Lightly attach safety gate hinge assemblies to vertical upright of railing with provided U-Bolts (or select appropriate field fasteners for other types of installations). Do not tighten the nuts at this stage of the installation.

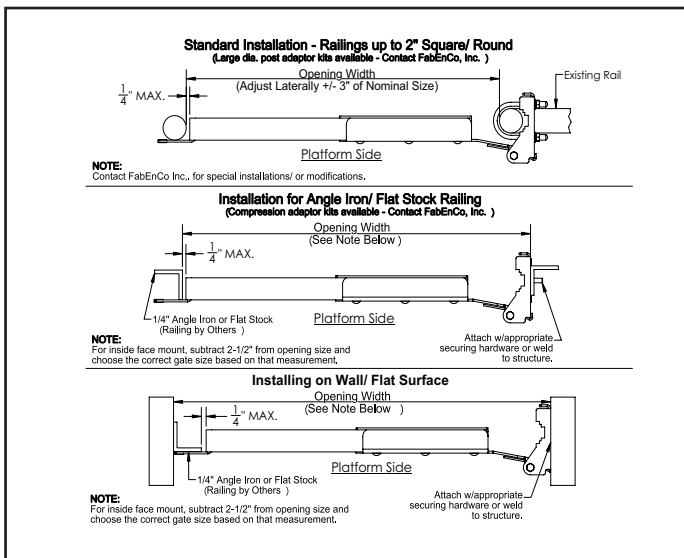
Step 2: Slide the gate into position so the top of the gate matches the top of the railing.

Step 3: Align hinge bracket to be 90° to safety gate and opening.

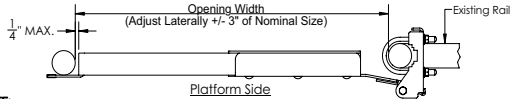
Step 4: Adjust gate frame to proper opening width by loosening the compression brackets and sliding frame. ensure stop/strike plate overlaps and contacts adjacent upright of railing, allowing for 1/4" maximum clearance. Do not let the frame stop pin out of the slot on the compression clamps. Retighten the compression clamps.

Step 5: Operate gate through full swing range to ensure proper alignment prior to tightening nuts. Tighten each U-Bolt.

Suggested Tools: 1/2" Deep Socket or wrench (for standard pipe installation – 2" O.D. or less)

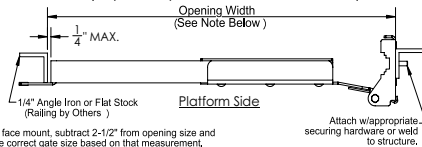


Standard Installation - Railings up to 2" Square/ Round
(Large dia. post adaptor kits available - Contact FabEnCo, Inc.)



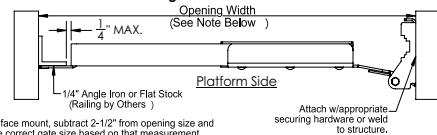
NOTE:
Contact FabEnCo Inc., for special installations/ or modifications.

Installation for Angle Iron/ Flat Stock Railing
(Compression adaptor kits available - Contact FabEnCo, Inc.)



NOTE:
For inside face mount, subtract 2-1/2\" from opening size and choose the correct gate size based on that measurement.

Installing on Wall/ Flat Surface



NOTE:
For inside face mount, subtract 2-1/2\" from opening size and choose the correct gate size based on that measurement.

For additional information or assistance, call 1-800-962-6111 or e-mail us at info@safetygate.com

For Mounting Tips in other languages, please visit our website at www.safetygate.com/product-literature



The Mezzanine-Pivot Safety Gate

The MZ-Pivot Gate protects employees in elevated mezzanine loading areas. Its counterbalanced gates ensure that one gate is always between your employees and the edge of the platform.

The MZ-Pivot Gate is available in single or double pallet widths, breaks down for shipping efficiency and assembles easily with basic tools.

Easy to install

Available in carbon steel (galvanized or safety yellow powder coat)

Meets or exceeds OSHA, IBC and ANSI standards

Determining the proper gate size for your application only requires the measurement of the inside clear opening.

A36 Carbon Steel Galvanized

Model No.	Fits Clear Opening	Max Open Height	Est. Weight
MZ14-64	64"(w) x 42"(h)	81.65"	190 lbs

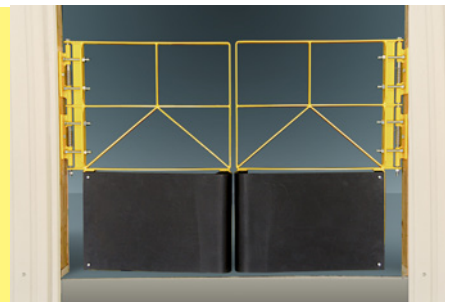
A36 Carbon Steel with Safety Yellow Powder Coat

Model No.	Fits Clear Opening	Max Open Height	Est. Weight
MZ14-64PC	64"(w) x 42"(h)	81.65"	190 lbs

Also available in Stainless Steel

The standard size listed above is a stock item. FabEnCo also manufactures custom safety gates for wider openings or unusual handrail configurations. Please contact us with your special requirements.

The FabEnCo Pallet Gate is another fall protection option for mezzanine and platform material handling environments.



Hardware

Parts

	Quantity
A. Left Support Weldment	1
B. Pivot Weldments	2
C. Rail w/Toe Board Weldment.....	1
D. 2" Washers.....	2
E. Rail Weldment.....	1
F. Right Support Weldment.....	1
G. 3/4" Hex Bolts	2
H. 3/4" Flat Washers.....	4
I. 3/4" Nuts	2
J. 3/8" Nuts	8
K. 3/8" Flat Washers.....	16
L. 3/8" Hex Bolts	8
M. Plastic Plugs.....	4

Installation

Step 1: Insert the gate section (2) into the receivers as shown and secure with the supplied hardware items J, K and L.

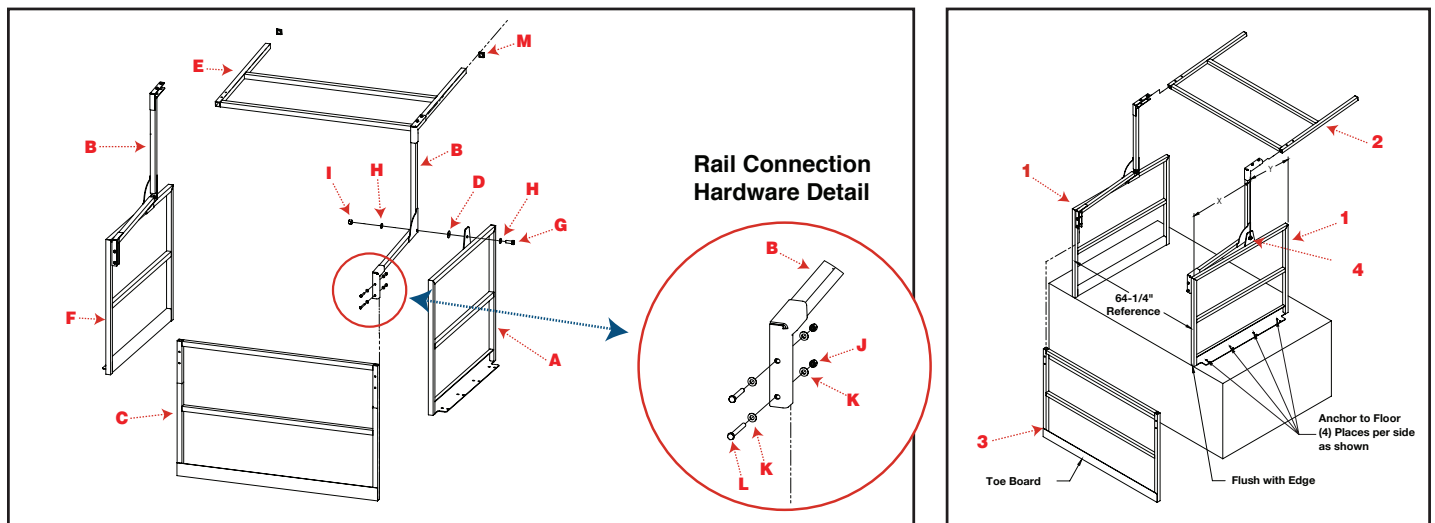
Step 2: Repeat the same process for gate section (3).

Step 3: Move the entire assembly to the edge of the mezzanine. The Toe Board should be on the same end as the edge of the mezzanine or platform.

Step 4: Multiple slots are provided to secure the assembly to the floor. You must use a minimum of (4) 3/8" fasteners per side, for a total of 8 fasteners. The fasteners should penetrate through the surface and be secured on the bottom side with washers and nuts.

Step 5: Adjustment bolts (4) can be used to increase or decrease friction to the desired tension required to open and close the gate.

Suggested Tools: 9/16" Socket and a 9/16" Wrench



Safety Note: There must be OSHA-approved fall protection devices in use during the installation of this product! Assemble the unit away from the edge of the mezzanine. After assembly is complete, move the MZ-Pivot Gate to the edge as shown and anchor to the floor.

The right and left side Mounting Frames (1) are pre-assembled at the factory. Note that the pivot point is not centered on the Mount Frame. Distance "X" is greater than distance "Y". The gate section with the Toe Board (3) must be installed on the "X" side as shown.

For additional information or assistance, call 1-800-962-6111 or e-mail us at info@safetygate.com

For Mounting Tips in other languages, please visit our website at www.safetygate.com/product-literature

Toe Board Kit

Optional Clamp-On Extension for Z, XL and RX Gates

FabEnCo's Toe Board Kit provides continued handrail/toe board protection across the ladderway opening and is available in carbon steel. FabEnCo™ finishes include galvanized and environmentally-friendly safety yellow powder coated.

Easy to Install • Variety of FabEnCo™ Finishes



Hardware

Parts	Quantity
A. Spacer Bar	1
B. Clamp Clips	4
C. Clip Bolts	2
D. Height Adjustment "U" Bolts	2

Step 1: Pull Toe Board Frame open to match safety gate frame.

Step 2: Center Spacer Bar (A) on bottom rail of safety gate.

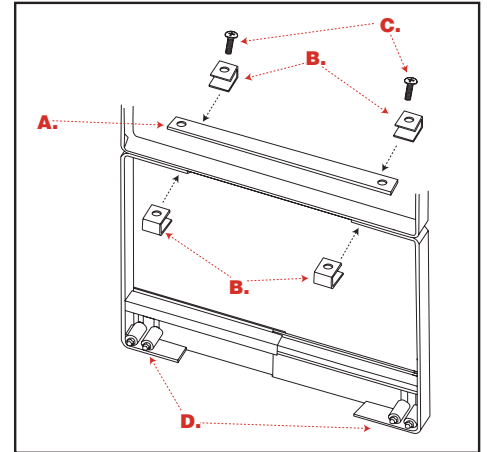
Step 3: Align top of Toe Board Frame with safety gate frame.

Step 4: Slide Clamp Clips (B) in place and align holes with threaded holes in Spacer Bar (A).

Step 5: Tighten Clamp Clips (B) to Spacer Bar (A) with Clip Bolts (C) to secure assembly.

Step 6: Set Toe Board height and secure Height Adjustment "U" Bolts (D) using a 11/16" socket.

Suggested Tools – 7/32" Allen Wrench and 11/16" Socket



Custom Springs

FabEnCo provides a full line of custom springs for standard spring replacement, high-cycle/high-traffic operations, heavy duty applications and special environment conditions.



7601L - Replacement spring for gate models A71-16 to A71-27 and R70-16 to R70-27

Material: 316 Stainless Steel
Length: 2.75"
Number of coils: 21



7601M - Replacement spring for gate models XL, Z, RX and A71-30 to A71-36 (and R70-30 to R70-36)

Material: 316 Stainless Steel
Length: 2.5"
Number of coils: 16



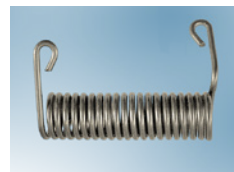
7601HC - High-cycle spring for pedestrian, ground level, or high-traffic use

Material: 17-7 Stainless Steel
Length: 3.125"
Number of coils: 19



7601HD - Heavy-duty spring for larger gates and/or gates with toe boards in which the overall weight is greater

Material: 316 Stainless Steel
Length: 3.4"
Number of coils: 18



7601SP - Spaced spring for gritty environments

Material: 316 Stainless Steel
Length: 3.6"
Number of coils: 20

In addition to our standard series of safety gates, FabEnCo offers our customers the ability to order custom safety gates to meet their unique applications.

In general, there are three types of custom gates:

1) Custom length, standard mount 2) Custom length, custom mount 3) Standard length, custom mount

When ordering a custom gate, please follow these steps:

Step 1: If possible, send a photograph or a drawing of the opening to be protected

Step 2: Determine the length of the clear opening to be protected

(smallest gate frame: 8", smallest opening: 9" • largest gate frame: 60", largest opening: 124")

9" – 16"

- Custom, smaller size (we typically recommend 2" shorter than the clear opening, but 1" is possible)

40" – 62"

- Option 1: Mount two standard gates in saloon style
 - Take opening size and divide in half to determine standard size needed
- Option 2: Mount a single, custom length gate
 - Gate size is 2" shorter than clear opening length – up to 60" (largest single gate)
 - Custom gate has two mounting plates and offers top rail/mid rail coverage with support bars in frame

63" – 124"

- Mount two gates in a saloon style
 - Two standard sizes or two custom sizes (depending on opening size)

Step 3: Determine mounting style

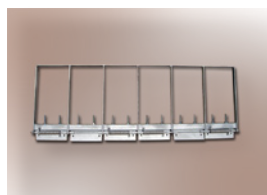
What type of handrail?

- Pipe
- Angle
- Wall
- Square Tube
- Flat Bar
- Channel
- Multiple Types *(for one opening)*

Step 4: Specify additional options/requirements/considerations

- Swing direction (left-hand or right-hand swing)
- Installed on elevated platform or ground level application
- Required vertical coverage
- Toe Board (extends vertical coverage to the floor, includes 4" toe board)
- Expanded metal
- Full 12-gauge metal
- Tear-drop bumpers
- Locking capability
- Latching capability
- Specific application and/or location
- Desired material and/or coating

Step 5: Specify quantity



Where is a self-closing safety gate required?

The most common application for FabEnCo self-closing safety gates is fall protection on an elevated work platform with an unprotected opening, such as a ladderway or stair opening. Please see OSHA regulations under 1910.23 – Guarding Floor and Wall Openings and Holes below:

1910.23(a)(2) “Protection for floor openings”

Every ladderway floor opening or platform shall be guarded by a standard railing with standard toeboard on all exposed sides (except at entrance to opening), with the passage through the railing either provided with a swinging gate or so offset that a person cannot walk directly into the opening.

1910.23(c)(1) “Protection of open-sided floors, platforms, and runways”

Every open-sided floor or platform 4 feet or more above adjacent floor or ground level shall be guarded by a standard railing (or the equivalent as specified in paragraph (e)(3) of this section) on all open sides except where there is entrance to a ramp, stairway, or fixed ladder. The railing shall be provided with a toe board wherever, beneath the open sides,

1910.23(c)(1)(i)

Persons can pass,

1910.23(c)(1)(ii)

There is moving machinery, or

1910.23(c)(1)(iii)

There is equipment with which falling materials could create a hazard.

Other than fall protection, what are other uses for safety gates?

FabEnCo safety gates can provide additional safety solutions, including access control, machine guarding, pedestrian traffic management and security.

Do your safety gates meet OSHA’s load requirements?

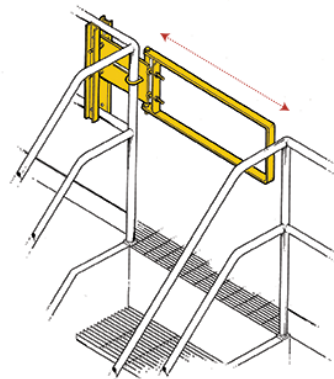
Yes, we have tested our standard safety gate models to meet and exceed OSHA’s 200 pounds top rail pressure requirement.

1910.23(e)(3)(v)(b)

A strength to withstand at least the minimum requirement of 200 pounds top rail pressure;

How do I determine what size safety gate I need?

Simply measure the rail-to-rail clear opening between your handrails, then find the corresponding size needed on your desired safety gate model size list. For most safety gate models, we offer eight standard sizes fitting clear openings 17” to 39.5”.



How do your safety gates stop without hitting the opposite handrail and how large is the gap in between?

Most of our safety gate models have a positive stop near the gate hinge, allowing the gate to stop without hitting the opposite handrail. This eliminates the pinch point between the gate and handrail.

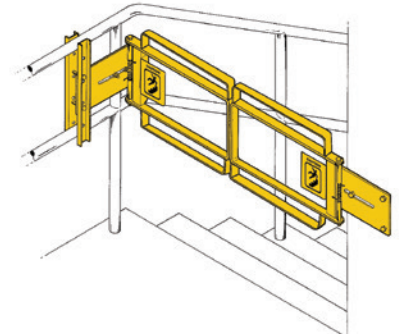
- A and XL Series – adjustable stop bolts
- R, RX, Z and ZT Series – stop plate

Our safety gate sizes and corresponding clear opening widths allow for a 1" to 3" gap between the gate and opposite handrail, however you may adjust this distance as needed with slight adjustments to the mounting position. Please note that there is no adjustment available when mounting at 90° to the handrail.

Can your safety gates be mounted at 90° to the handrail?

Yes, most of our safety gate models can be mounted at 90° to the handrail with simple adjustment.

- A and XL Series – adjust the stop bolts to your desired position up to 90°
- R, RX, Z and ZT Series – reverse the direction of the stop plate for a 90° mount



Can your safety gates be mounted to a wall?

Yes, all safety gate models (excluding our new Pivot Gate which is bolted to the floor) can be mounted to various wall types either in-line at the wall edge or at 90° to the wall surface. If requested, the A and XL Series can be purchased without the mounting channels for a wall mount. Please note that for some wall types, additional hardware (including anchors) is not provided..

I'm not sure if I need galvanized or safety yellow powder coated safety gates. What do you recommend?

Both the hot-dipped galvanizing and the powder coating finishes are of excellent quality.

The hot-dipped galvanizing process creates a corrosion resistance and protection that becomes part of the metal. A scratch will be thoroughly protected by the zinc within the metal.

The powder coating process has a base layer of a baked-on zinc-rich epoxy followed by the yellow baked-on powder coat; therefore, a scratch to the coating will not degrade the protection beneath.



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