

Rail Systems



Beauty made easy.

Discover beautiful railing and balustrade systems, made more durable through our special manufacturing process. Low maintenance and resistant to decay, our rail system products come with simple, step-by-step installation instructions.



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Product Shown:
Premium Straight Rail Kit – Colonial
QuickPost® Porch Post
QuickPost® Trim Kit



Rail Systems

How to Use This Section

For ease of use, the product groupings in this section of the catalog are organized by size and style. Each product chart includes product images, dimensional data and part numbers to help specify, source and sell Fypon® rail systems.

How to Order

Rail Systems

Rail kits are available for both straight and stair applications. Each kit includes a top rail, a bottom rail, spindles, a crush block*, brackets, bracket covers and the necessary screws for fast installation. Rail kits can be attached to a wall, newel post or porch post.

Plan your layout by determining the size and configuration of your porch, including any stairs. The most important step to building your order is creating an accurate layout. Check local building codes to determine minimum guardrail height, maximum rail span and structural post requirements for your area. Determine the number of rail and post kits you need to accommodate your layout.

Next, choose spindle style. Then find the part number of the rail kit that meets your style, length and height requirements.

Finally, determine size and style of any accessories needed to achieve the desired look.

Rail System Accessories

A variety of accessories are available to create your own unique system, including post kits, post sleeves and porch posts. If you have an application where additional or unique connections are required, bracket and adapter kits are sold separately. Individual components are also sold separately.

*6' Stair Rail Kits do not include crush block.

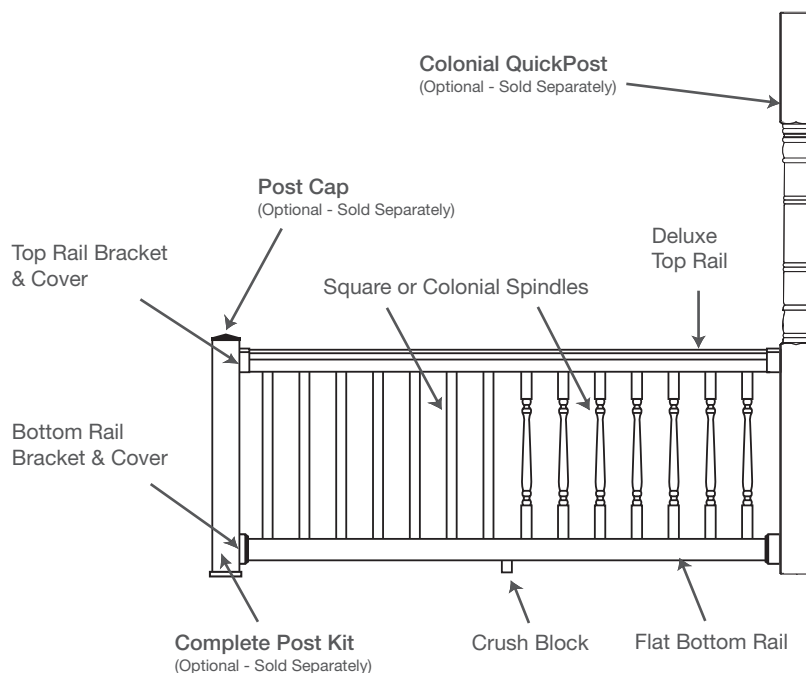
Note: Always consult the local building code authority to determine suitability of products to meet specific project requirements. Stair Rail Kits cannot be attached to 45-degree post applications.



Building Code Compliance

Fypon rail system products are building code compliant over 30" above ground when rail lengths are 8' or less installed between our Ultra Post Kits. 10' and 12' rail lengths shall only be attached directly to supporting structure (i.e. wall or support column). Applications less than 30" above ground are decorative, and do not fall under any building code or testing standard. The 8', 10' and 12' rail kits include a top rail metal insert that must be used in any installation. 6' rail kits do not require an insert.

Fypon has received confirmation from ICC PEI, LLC that its rail systems comply with the International Building Code (IBC) and International Residential Code (IRC). The published evaluation report PER-20125 is available online at www.p-e-i.com/documents/QuickRail.pdf.



Premium Railing

Premium Rail Kits

Options & Features

- Height Options: 36" or 42" rail height.
- Length Options: 6', 8', 10' or 12' nominal lengths.
- Spindle Options: Colonial or Square.
- Finish Color: White.
- Baluster Spacing: Depending on rail length and spindle style selected, the spacing will vary slightly.
- Application: Straight or Stair (32- to 37-degree slope).
- Additional Accessories: Multi-angle brackets and 45-degree adapters are available as special order.

Kit Contents

Straight & Stair Rail Kits

Each Rail Kit includes the following:

- Top Rail
- Top Rail Structural Insert*
(Included in kits over 6' for necessary support.)
- Bottom Rail
- Colonial or Square Spindles
- Crush Block**
- Brackets and Bracket Covers
- Screw Pack

Straight Rail Kits



Square

Description	6' Kits	8' Kits	10' Kits	12' Kits
Square Spindles	Actual length 72"	Actual length 96"	Actual length 120"	Actual length 144"
36" Rail Height	740636SQDF	740836SQDF	741036SQDF	741236SQDF
42" Rail Height	740642SQDF ♦	740842SQDF	741042SQDF	741242SQDF

Colonial

Description	6' Kits	8' Kits	10' Kits	12' Kits
Colonial Spindles	Actual length 70-1/2"	Actual length 94-1/8"	Actual length 117-3/4"	Actual length 141"
36" Rail Height	740636CLDF	740836CLDF	741036CLDF	741236CLDF ♦

♦ Special order.

*6' Kit meets code without the need of a structural insert.

**Crush block is not included in 6' Stair Kit.

Note: Always consult the local building code authority to determine suitability of products to meet specific project requirements.

8', 10' and 12' Rail Kits include aluminum rail insert for added support. Aluminum inserts come in kits only. Posts are sold separately from kits.

Stair Rail Kits



Square

Description	6' Kits	8' Kits	10' Kits	12' Kits
Square Spindles	Actual length 78"	Actual length 102"	Actual length 126"	
36" Rail Height	740636SQDS	740836SQDS	741036SQDS	—
42" Rail Height	740642SQDS [◆]	740842SQDS	741042SQDS [◆]	—

Colonial

Description	6' Kits	8' Kits	10' Kits	12' Kits
Colonial Spindles	Actual length 78"	Actual length 102"	Actual length 126"	
36" Rail Height	740636CLDS	740836CLDS	741036CLDS	—

Gate Kits



Gate Kits come with a latch, hinges and mounting hardware, and are available in 36" and 42" heights. The Gate Kit components are pre-cut to fit a 36-¹/₂" wide opening but can be trimmed for smaller applications. Be sure to check local building codes for any dimension requirements when planning your system layout.

Improved Hinges and Latch

Nylon spring-loaded gate hinges and locking entry latch provide a durable, quiet, lighter weight connection between the gate and posts with added security.


Description	Spindle Style	Gate Width	Kit Height	Part Number
35" x 36" Gate Kit	Square	35"	36"	4436SQDFGK [◆]
35" x 36" Gate Kit	Colonial	35"	36"	4436CLDFGK
35" x 42" Gate Kit	Square	35"	42"	4442SQDFGK [◆]

IMPORTANT: Gate Kit should NOT be attached to Complete Post Kit. It is recommended to attach the Gate Kit to a structural 4" x 4" or 5" x 5" treated post covered with a post sleeve. Note: This product should only be installed on structural surfaces less than 30" above ground unless approved by building inspector for higher elevations.

Post Kits


Complete Post Kits (for elevations less than 30" above ground)

The Complete Post Kit comes with a standard post mount and can be used to connect rail sections on substrates with elevations less than 30" above ground. Complete Post Kits include a cap, base, standard PVC post mount and the necessary hardware for installation on both pressure-treated wood decking and masonry surfaces.

 Standard Mount	Description	4" x 4"	5" x 5"
	Complete Post Kit		Inside width 3-5/8"
38" Height	40050438PK	40050538PK ♦	
44" Height	40050444PK	40050544PK ♦	
Hardware Kit	4005ACQHDR	4005ACQHDR	

Ultra Post Kits (for elevations more than 30" above ground)

The ultra post is a structural newel post than can be used on substrates more than 30" above ground. Ultra Post Kits include a cap, base, structural post mount and the necessary hardware for installation on either wood / composite or concrete / masonry surfaces.

 Structural Post Mount	Description	4" x 4" Wood or Composite Substrate	4" x 4" Concrete or Masonry Substrate
	Ultra Post Kit		Inside width 3-5/8"
38" Height	70050438WPK ♦	70050438CPK ♦	
44" Height	70050444WPK ♦	70050444CPK ♦	


♦ Special order.

Note: Straight rail systems are code compliant 30" and greater above ground when used with Ultra Post Kit.

System Accessories




Post Sleeves

The post sleeve is a one-piece, hollow design that slides over an existing 4 x 4 or 5 x 5 support post.

	Description	4" x 4"	5" x 5"
		Post Sleeve	Inside width 3-5/8"
38" Height		40050438PS	40050538PS ♦
44" Height		40050444PS ♦	40050544PS ♦
48" Height		40050448PS ♦	—
60" Height		40050460PS ♦	—
96" Height		40050408PS ♦	40050508PS ♦
108" Height		40050409PS ♦	40050509PS ♦

Accessories

Post sleeves can be accented with a variety of caps and bases to customize your system.

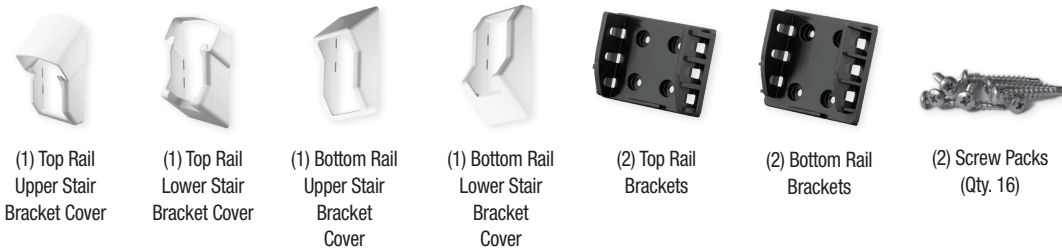
	Description	Fits 4" x 4"	Fits 5" x 5"
	Taper Cap	40040404TC	40040505TC ♦
	New England Cap	40040404NC ♦	40040505NC ♦
	New England Base	40040404PB ♦	40040505PB ♦



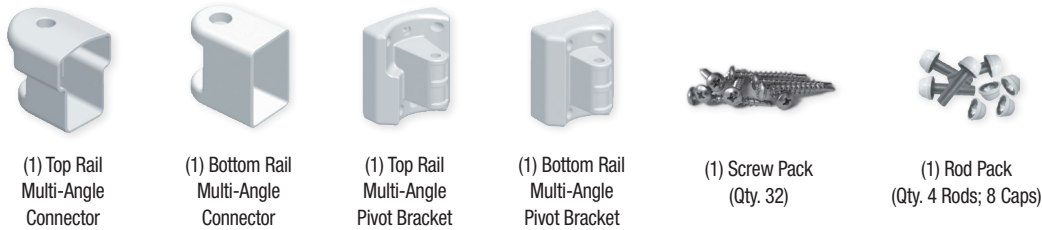
Bracket & Adapter Kits



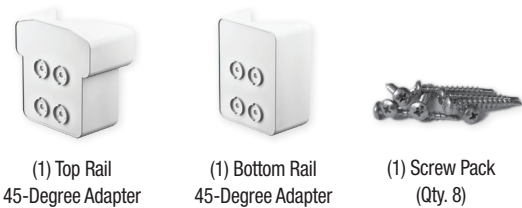
Description	Part Number (Fits all Premium Rail Kit lengths)
Straight Rail Bracket Kit	440900DFBK



Description	Part Number (Fits all Premium Rail Kit lengths)
Stair Rail Bracket Kit	4409DFSUBK



Description	Part Number (Fits all Premium Rail Kit lengths)
Multi-Angle Bracket Kit	44070DFMBK



Description	Part Number (Fits all Premium Rail Kit lengths)
45-Degree Corner Post Bracket Kit	74070FFPBK

Individual Components



Top Rail



Bottom Rail

Aluminum Insert required for any rail length over 6' to meet code. Order one insert per top rail. Insert is 12' long.

Straight Rails

Description	6' Rails	8' Rails	10' Rails	12' Rails
For Square Spindles	Actual length 72"	Actual length 96"	Actual length 120"	Actual length 144"
Top Rail	4407060STR ♦	4407080STR ♦	4407010STR ♦	4407012STR ♦
Bottom Rail	4007060SBR ♦	4007080SBR ♦	4007010SBR ♦	4007012SBR ♦
For Colonial Spindles	Actual length 70-1/2"	Actual length 94-1/8"	Actual length 117-3/4"	Actual length 141"
Top Rail	4407060CTR ♦	4407080CTR ♦	4407010CTR ♦	4407012CTR ♦
Bottom Rail	4007060CBR ♦	4007080CBR ♦	4007010CBR ♦	4007012CBR ♦
Aluminum Insert	—	44070012AI ♦	44070012AI ♦	44070012AI ♦

Note: Hole spacing will vary slightly based on rail length selected or spindle style. To ensure holes align properly, select the same length top rail as bottom rail. And the same rails for either square spindles or colonial spindles.

Stair Rails

Description	6' Rails	8' Rails	10' Rails	12' Rails
For Square or Colonial Spindles	Actual length 78"	Actual length 102"	Actual length 126"	
Top Rail	4407060SSR ♦	4407080SSR ♦	4407010SSR ♦	—
Bottom Rail	4007060SLR ♦	4007080SLR ♦	4007010SLR ♦	—



Colonial Spindle



Square Spindle

Spindles

Description	6' Rails	8', 10', and 12' Rails
For 36" Rail Height	Actual height 33-1/2"	Actual height 32-3/4"
Square Spindles	40043305SS ♦	44043275SS ♦
Colonial Spindles	40043305CS ♦	44043275CS ♦
For 42" Rail Height	Actual height 39-1/2"	Actual height 38-3/4"
Square Spindles	40043905SS ♦	44043875SS ♦

♦ Special order.

QuickPost® Porch Post



Structural Post with Lifetime Finish

QuickPost synthetic porch posts are the perfect complement to our rail systems. Featuring the same lifetime finish as all rail system components, the vibrant color is virtually maintenance free and never needs to be painted.

- Structural post features steel insert.
- Choose from traditional Colonial or modern Square styles.
- Trim to fit your project.
- Designed for use with rail systems.
- Virtually maintenance free.
- Backed by a lifetime limited warranty.


Product Details


- Shell is composed of UV-protected vinyl.
- Internal core includes a structural, galvanized steel tube.
- Kit includes mounting plates and screws.

Product Options


- Sizes: 5" and 6" are nominal for Colonial styles.
- Sizes: 4" and 5" are actual for Square styles.
- Accessories: Trim Kit available (sold separately).

QuickPost Porch Post

Colonial Porch Post	5" x 5" Colonial	6" x 6" Colonial	
	Actual Width	4-1/4"	5-1/4"
	Load-Bearing Capacity	3,000#	5,000#
	104" Post Height	40500588CL	40500688CL

Square Porch Post	4" x 4" Square	5" x 5" Square	
	Actual Width	4"	5"
	Load-Bearing Capacity	3,000#	5,000#
	104" Post Height	40500488SQ	40500588SQ

QuickPost Trim Kits (sold separately from post)

Colonial Cap & Base Kit	5" Kit fits 5" x 5" Colonial	6" Kit fits 6" x 6" Colonial
	40020505TK ♦	400600PWTk

Square Cap & Base Kit	4" Kit fits 4" x 4" Square	5" Kit fits 5" x 5" Square
	405004SQTK	405005SQTK

Note: Cap and base included in kit part code.

♦ Special order.


Note: See your Fypon seller or visit www.fypon.com for details on limited warranties and exclusions. Dimensional drawings are approximate representations. Do not scale.

DuraPoly® Porch Post




Optional paintable finish allows for unique customization.

DuraPoly Porch Post

Colonial Porch Post	5" x 5" Colonial	6" x 6" Colonial	
	Actual Width	4-1/4"	5-1/4"
	Load-Bearing Capacity	3,000#	5,000#
	95-7/8" Post Height	80500508CL-1	80500608CL-1
	103-7/8" Post Height	80500588CL	80500688CL



DuraPoly Trim Kits (sold separately from post)

Colonial Cap & Base Kit	5" Kit fits 5" x 5" Colonial	6" Kit fits 6" x 6" Colonial
	800500PWTk	800600PWTk

Note: Cap and base included in kit part code.

