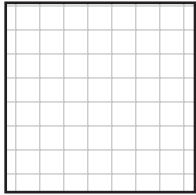


The patented triple-layer Tam-Rail® Railing System is offered in convenient kits to help make installation fast and easy. To choose the right kits for your specific application, simply follow the detailed steps in this Kit Selection Guide.



1

Step One—Sketch the layout and dimensions of your deck

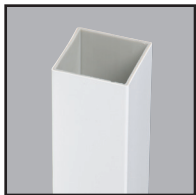
Use the graph paper on page 2 to determine measurements and the number of kits you will need.



2

Step Two—Select your straight and stair rail kits

Tam-Rail stair and straight rail kits are available with colonial or square balusters, in 6', 8' and 10' lengths and in 36" or 42" heights. Use the charts starting on page 3 to select the appropriate kits for your project. For stair rail applications, use the stair angle chart on page 2 to determine the appropriate stair kit you will need.



3

Step Three—Select your post kits

Post sleeves are not included in the straight and stair rail kits. Use the chart on page 6 to determine the right post sleeves for your application.

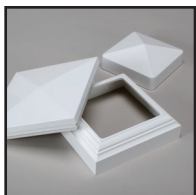
The Tam-Rail system is designed to 1) cover a standard 4x4 wood post 2) attach to a wood/composite deck without a wood post or 3) mount in concrete applications. See page 6 to determine the right post mount kit for your project.



4

Step Four—Select your special angle kits

If your application requires special angle brackets, use the chart on page 6 to choose the appropriate kits.



5

Step Five—Select your post caps and rings

Tam-Rail post caps and rings provide the perfect finishing touches. See page 7 for details.



6

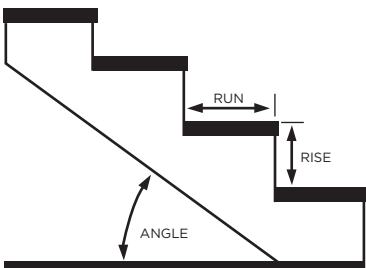
Step Six—Place your order

Take this sheet to your local distributor or contact Envision at 1-800-641-4691 to find a dealer in your area.

1

Step One—Sketch the deck layout and determine your project's dimensions.

Please refer to the chart on the right to determine the appropriate stair kits.



TAM-RAIL® Stair Angle Chart

RUN (inches)		6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15
RISE (inches)	3.5	28	27	25	24	22	21	20	19	18	18	17	16	16	15	15	14	14	13
	4	32	30	28	27	25	24	23	22	21	20	19	18	18	17	17	16	15	15
	4.5	35	33	31	29	28	27	25	24	23	22	21	21	20	19	18	18	17	17
	5	38	36	34	32	30	29	28	27	25	24	23	23	22	21	20	20	19	18
	5.5	40	38	36	35	33	31	30	29	28	27	26	25	24	23	22	21	21	20
	6	43	41	39	37	35	34	32	31	30	29	28	27	26	25	24	23	22	22
	6.5	45	43	41	39	37	36	34	33	32	31	29	28	27	27	26	25	24	23
	7	47	45	43	41	39	38	36	35	34	32	31	30	29	28	27	27	26	25
	7.5	49	47	45	43	41	40	38	37	36	34	33	32	31	30	29	28	27	27
	8	51	49	47	45	43	42	40	39	37	36	35	34	33	32	31	30	29	28
	8.5	53	51	49	47	45	43	42	40	39	38	36	35	34	33	32	31	30	30
9	54	52	50	48	47	45	43	42	41	39	38	37	36	35	34	33	32	31	
9.5	56	54	52	50	48	47	45	44	42	41	40	38	37	36	35	34	33	32	
10	57	55	53	51	50	48	46	45	44	42	41	40	39	38	37	36	35	34	

- Choose Stair Rail 30°–35° kit
- Choose Stair Rail 36°–41° kit
- Outside Tam-Rail angle range

2

Step Two—Select one of three railing height/baluster design options.


Please note: 36" is the common height for meeting code requirements in residential applications and 42" is the common height for meeting code requirements in multifamily applications.




All straight rail kits include top and bottom rails, square or colonial balusters, top and bottom metal brackets, top and bottom bracket covers, stainless steel screws, a crush block and a bracket placement template.

All stair rail kits include top and bottom rails, square or colonial balusters, top and bottom metal brackets, top and bottom bracket covers and stainless steel screws. The 8' stair rail kit also includes a crush block.

36" Kits with Colonial Balusters Colonial balusters feature beveled curves that add distinction. Select your required number of kits in the desired rail length.

Straight Rails	Contents		Product #	Color	# of Kits	
6' x 36" Straight Rail Kit	(1) Straight Top Rail (1) Straight Bottom Rail (14) Colonial Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws (1) Crush Block		31004099	White	
8' x 36" Straight Rail Kit	(1) Straight Top Rail (1) Straight Bottom Rail (19) Colonial Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws (1) Crush Block		31004133	White	
10' x 36" Straight Rail Kit	(1) Straight Top Rail (1) Straight Bottom Rail (24) Colonial Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws (2) Crush Block		31004131	White	

Stair Rails	Contents		Product #	Color	# of Kits	
6' x 36" Stair Rail Kit (30°-35°)	(1) Straight Top Rail (1) Straight Bottom Rail (11) Colonial Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws		31004123	White	
8' x 36" Stair Rail Kit (30°-35°)	(1) Straight Top Rail (1) Straight Bottom Rail (15) Colonial Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws (1) Crush Block		31004115	White	
6' x 36" Stair Rail Kit (36°-41°)	(1) Straight Top Rail (1) Straight Bottom Rail (11) Colonial Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws		31004122	White	
8' x 36" Stair Rail Kit (36°-41°)	(1) Straight Top Rail (1) Straight Bottom Rail (15) Colonial Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws (1) Crush Block		31004114	White	

2

Step Two—Select one of three railing height/baluster design options. (Continued)

Please note: 36" is the common height for meeting code requirements in residential applications and 42" is the common height for meeting code requirements in multifamily applications.



All straight rail kits include top and bottom rails, square or colonial balusters, top and bottom metal brackets, top and bottom bracket covers, stainless steel screws, a crush block and a bracket placement template.

All stair rail kits include top and bottom rails, square or colonial balusters, top and bottom metal brackets, top and bottom bracket covers and stainless steel screws. The 8' stair rail kit also includes a crush block.

36" Kits with Square Balusters Square balusters create straight lines and a uniform appearance. Select your required number of kits in the desired rail length.

Straight Rails	Contents		Product #	Color	# of Kits	
6' x 36" Straight Rail Kit	(1) Straight Top Rail (1) Straight Bottom Rail (14) Square Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws (1) Crush Block		31004137	White	
8' x 36" Straight Rail Kit	(1) Straight Top Rail (1) Straight Bottom Rail (19) Square Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws (1) Crush Block		31004135	White	
10' x 36" Straight Rail Kit	(1) Straight Top Rail (1) Straight Bottom Rail (24) Square Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws (2) Crush Block		31004097	White	

Stair Rails	Contents		Product #	Color	# of Kits	
6' x 36" Stair Rail Kit (30°-35°)	(1) Straight Top Rail (1) Straight Bottom Rail (11) Square Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws		31004125	White	
8' x 36" Stair Rail Kit (30°-35°)	(1) Straight Top Rail (1) Straight Bottom Rail (15) Square Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws (1) Crush Block		31004120	White	
6' x 36" Stair Rail Kit (36°-41°)	(1) Straight Top Rail (1) Straight Bottom Rail (11) Square Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws		31004124	White	
8' x 36" Stair Rail Kit (36°-41°)	(1) Straight Top Rail (1) Straight Bottom Rail (15) Square Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws (1) Crush Block		31004118	White	

2

Step Two—Select one of three railing height/baluster design options. (Continued)

Please note: 36" is the common height for meeting code requirements in residential applications and 42" is the common height for meeting code requirements in multifamily applications.



All straight rail kits include top and bottom rails, square or colonial balusters, top and bottom metal brackets, top and bottom bracket covers, stainless steel screws, a crush block and a bracket placement template.

All stair rail kits include top and bottom rails, square or colonial balusters, top and bottom metal brackets, top and bottom bracket covers and stainless steel screws. The 8' stair rail kit also includes a crush block.

42" Kits with Square Balusters

42" Rail Kits are available only with a square baluster design. Select your required number of kits in the desired rail length.

Straight Rails	Contents	Product #	Color	# of Kits	
6' x 42" Straight Rail Kit	(1) Straight Top Rail (1) Straight Bottom Rail (14) Square Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws (1) Crush Block	31004130	White	
8' x 42" Straight Rail Kit	(1) Straight Top Rail (1) Straight Bottom Rail (19) Square Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws (1) Crush Block	31004128	White	
10' x 42" Straight Rail Kit	(1) Straight Top Rail (1) Straight Bottom Rail (24) Square Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws (2) Crush Block	31004126	White	



Stair Rails	Contents	Product #	Color	# of Kits	
6' x 42" Stair Rail Kit (30°-35°)	(1) Straight Top Rail (1) Straight Bottom Rail (11) Square Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws	31004112	White	
8' x 42" Stair Rail Kit (30°-35°)	(1) Straight Top Rail (1) Straight Bottom Rail (15) Square Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws (1) Crush Block	31004109	White	
6' x 42" Stair Rail Kit (36°-41°)	(1) Straight Top Rail (1) Straight Bottom Rail (11) Square Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws	31004110	White	
8' x 42" Stair Rail Kit (36°-41°)	(1) Straight Top Rail (1) Straight Bottom Rail (15) Square Balusters (2) Top Rail Metal Brackets (2) Bottom Rail Metal Brackets	(2) Top Rail Bracket Covers (2) Bottom Rail Bracket Covers (13) 1" Stainless Screws (13) 2" Stainless Screws (1) Crush Block	31004107	White	

3

Step Three—Select your post kits.

Post sleeves are available to cover 4x4 wood posts and enhance the look of your railing system. Post mount options are also available for use on a wood/composite deck without a wood post or on concrete applications.




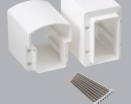
Post Sleeves	Contents		Product #	Color	# of Kits
4" x 4" x 38" Post Sleeve Kit	(1) Post sleeve		31004106	White	
4" x 4" x 48" Post Sleeve Kit			31004100	White	
4" x 4" x 116" Post Sleeve Kit			31004138	White	

Post Mount Kits	Contents		Product #	Color	# of Kits
4" x 4" x 38" Post Mount Concrete Kit	(1) Post Mount Member (2) Guide Blocks (1) Concrete Accessory Kit		31004021	White	
4" x 4" x 44" Post Mount Concrete Kit			31004017	White	
4" x 4" x 38" Post Mount Wood Kit	(1) Post Mount Member (2) Guide Blocks (1) Wood Accessory Kit		31004030	White	
4" x 4" x 44" Post Mount Wood Kit			31004029	White	

4

Step Four—Select your special angle adapter kits.




If your application has unique horizontal angles, you will need to select the appropriate angle adapter kits.

Individual Angle Adapter Kits	Contents		Product #	Color	# of Kits
45° Center Fixed Angle Adapter Kit	(1) Top Rail Angle Adapter (1) Bottom Rail Angle Adapter		31004026	White	
22.5° Left Fixed Angle Adapter Kit	(1) Top Rail Angle Adapter (1) Bottom Rail Angle Adapter (1) Hardware Pack		31004025	White	
22.5° Right Fixed Angle Adapter Kit	(1) Top Rail Angle Adapter (1) Bottom Rail Angle Adapter (1) Hardware Pack		31004023	White	
Multi-angle Bracket Kit	(1) Top Rail Bracket (1) Bottom Rail Bracket (1) Hardware Pack		31004028	White	

5

Step Five—Select your post cap and rings.

Post caps and the New England-style post ring provide the perfect finishing touches.

Post Caps and Rings	Contents		Product #	Color	# of Kits
4" x 4" Pyramid Post Cap	(1) Pyramid Post Cap		31004003	White	
4" x 4" New England Post Cap	(1) New England Post Cap		31003945	White	
4" x 4" New England Post Ring	(1) New England Post Ring		31004006	White	

6

Step Six—Place your order.

Take this sheet to your local distributor or contact Envision® at 1-800-641-4691 to find a dealer in your area.



 **Envision®**

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