

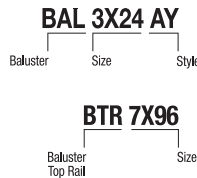
How to Order Balustrade Systems

Fypon Balustrades are available in three systems: 5", 7" & 12". This size designates the width of the Top and Bottom Rail. For ease of ordering, we've grouped the products within these systems.

Classic Baluster 5" Balustrade System				
Part Number	Width	Overall Height	Block Height	Center Spacing*
BAL3X20CC	2 1/2"	20"	3 1/2"	5"
BAL3X28CC	2 1/2"	28"	3 1/2"	4 15/16"

Sample Chart

Each category chart includes a product photo, part numbers and product dimensions. The accessory matches for each part are listed, if applicable.



Planning Your Layout

Balusters

For each baluster, we have noted a "Center Spacing" dimension, which is the maximum center-to-center distance between balusters that still does not allow a 4" ball to pass through at any point. The number of Balusters you need can be found by dividing the rail span, in inches, by the Center Spacing dimension shown or smaller.

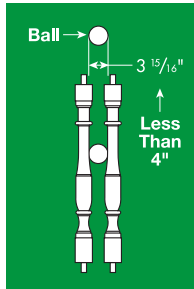
NOTE: When dividing gives you a fractional result, always round up to the next whole number.

Example

BAL3X20CC - requires 5" on center spacing

$$\text{Rail Span} \div \text{Center Spacing} = \# \text{ of Balusters Needed}$$

$$96" \div 5" = 20$$



Rail Installation Kits

Each rail section (span between two Newel Posts) will require two Rail Installation Kits (BRK). Rail Installation Kits will connect both ends of one rail to a Newel Post with the exception of BRK12ANGLBKT. This kit connects both ends of one section, requiring only one kit per section. **NOTE:** Fypon Rail Installation Kits will not work on stair applications.

Newel Posts

Each Newel Post will require one Newel Post Installation Kit (NPK) to anchor the base of the post, as well as any Post Tops, Balls or Trim Collars desired.

To utilize FyponDesign, our online 3D visualization tool for Balustrade Systems, please visit the Design Center at www.fypon.com.

Building Code Compliance

2000 International Building Code – 1607.7.1 Handrails and Guards

All 12" Balustrade systems 144" and under in length and 42" to the top of the top rail and lower meet the 2000 International Building Code.

Boca National Building Code/1993 – 1615.8 Guards and Handrails

5" and 7" Balustrade systems 96" and under in length and 42" to the top of the top rail and lower meet the Boca National Building Code/1993.

Remember to Order Adhesive

A urethane based adhesive *must* be used on all joint surfaces. See page 6 to order PL Premium® Adhesive.

Rail Installation Kit Contents

Balustrade Rail Installation Kits are sold separately. Order two kits per rail section unless otherwise specified.

BRK5

Connects both ends of one 5" Rail to Newel, Porch Post or wall

Kit Contents:

- (2) 2" wide x 1 1/2" x 2" Angle Brackets
- (6) #14 x 2 1/2" Stainless Steel Flat Head Screws

BRK6-7

Connects both ends of one 7" Rail to Newel, Porch Post or wall. Order two kits per section

Kit Contents:

- (2) 4" wide x 1 1/2" x 2" Angle Brackets
- (8) #14 x 2 1/2" Stainless Steel Flat Head Screws

BRK12

Connects both ends of one 12" Rail to Newel or wall

Kit Contents:

- (4) Bear Claw Brackets
- (16) #12 x 3/4" Pan Head Screws
- (4) 5/16" - 18 x 5" Hex Head Cap Screws
- (2) 1/4" - 20 x 2" Flat Head Phillips Thread Cutting Screws
- (4) 5/16" Clip Nuts
- (4) 1 1/2" O.D. x 5/16" I.D. x 3/64" thick Fender Washers

BRK12ANGLBKT

Connects both ends of one 12" Rail section (4 connections) to 13" Newels ONLY

Kit Contents:

- (2) Top Bracket
- (2) Bottom Bracket
- (8) 1/4" - 20 x 3" Hex Head Bolt
- (4) 5/16" - 18 x 1 1/2" Hex Head Bolt
- (8) 1/4" - 20 Hex Nut
- (8) 5/16" Split Lock Washer
- (8) 1/4" x 1 1/4" Fender Washers
- (8) #14 x 2" Phillips Pan Head Screw

Newel Post Installation Kit Contents

Newel Post Installation Kits are sold separately from the Newel posts. Fasteners to mount Steel Base Plate to floor surface not provided.

NPK400

Secures one 6" Newel Post to the floor

Kit Contents:

- (1) Steel Base Plate
- (1) Channel Bracket
- (1) 1/2" - 13 Hex Nut
- (1) 1/2" Lock Washer
- (1) 1/2" - 13 x 72" Threaded Rod

NPK600

Secures one 8" Newel Post to the floor

Kit Contents:

- (1) Steel Base Plate
- (1) Channel Bracket
- (1) 1/2" - 13 Hex Nut
- (1) 1/2" Lock Washer
- (1) 1/2" - 13 x 72" Threaded Rod

NPK10

Secures one 10" Newel Post to the floor

Kit Contents:

- (1) Steel Base Plate
- (1) Channel Bracket
- (1) 1/2" - 13 Hex Nut
- (1) 1/2" Lock Washer
- (1) 1/2" - 13 x 72" Threaded Rod

NPK12

Secures one 12" Newel Post to the floor

Kit Contents:

- (2) 3/8" Hex Nuts
- (2) 3/8" Lock Washers
- (2) 3/8" Flat Washers
- (2) Corner Brackets
- (2) 3/8" - 16 x 40" Threaded Rods
- (8) #10 x 3/4" Flat Head Self Tapping Screws
- (1) Steel Base Plate

NPK13

Secures one 13" Newel Post to the floor

Kit Contents:

- (1) Steel Base Plate
- (1) Channel Bracket
- (1) 1/2" - 13 Hex Nut
- (1) 1/2" Lock Washer
- (1) 1/2" - 13 x 72" Threaded Rod