



Beauty. Strength. Durability.



**Digger
Specialties
Inc.**

Transforming the Outdoor Living Experience™



DYNAMIC SOLUTIONS INNOVATION

Whether you want to make your home impressive, comfortable, traditional, or distinctive - PolyRail® Vinyl Railing is designed with you in mind. PolyRail® Vinyl Railing offers a comfortable feel with a traditional look and features a wide range of styles, colors, and applications to enhance your vision. Just imagine the possibilities; after all, your home is your masterpiece.



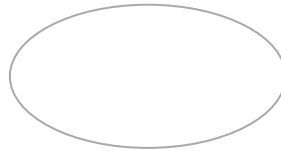
Table Of Contents

Colors & Powder Coating Process	1
Cardinal Vinyl Railing	2-3
Falcon Vinyl Railing	4-5
Raven Vinyl Railing	6-7
T-Bird Vinyl Railing	8-9
Hidden Screw Rail Mounts	10
Gates & Hardware	11
Post Mounts	12
Standard Vinyl Posts	13
"A" Series Decorative Vinyl Posts	14
Column Clad Vinyl Post Wraps	15
"B" Series Aluminum Posts	16
ADA Continuous Handrail	17

COLORS & POWDER COATING PROCESS

Vinyl Colors

DSI Vinyl Products are available in multiple colors. Our Mocha color is unique to **select** models. Please see individual model pages for color availability.



White



Tan



Mocha

Aluminum Colors

DSI Aluminum Products are available in 12 standard AAMA 2604 colors to compliment your project; from satin color to textured colors. Custom colors and AAMA 2605 colors are available by special order.

Colors shown are a close approximation of the true color. Please request actual samples for accurate colors.

Textured Colors



Black Fine Texture



Bronze Fine Texture



Brown Fine Texture



White Fine Texture



Grey Fine Texture

Non Textured Colors



Gloss Beige



Chocolate



Ninety Bronze



Sandy Shore



Satin Black



Gloss White



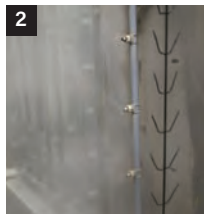
Speckled Walnut

Exclusive DSI Powder Coating Process

DSI's proprietary 10 step powder coating process provides an uncompromising quality created by state-of-the-art technology. Our system is certified by the Powder Coating Institute providing peace of mind in your investment. Our powder coating is verified by the American Architectural Manufacturers Association and is covered by a Lifetime Limited Warranty.



1 The raw premium-grade aluminum is **inspected** to be free of blemishes and is not exposed to the outdoor elements.



2 The product enters a **heated cleaning stage** to remove extrusion debris and fabrication oils.



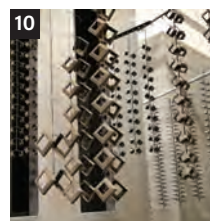
3-6 **Clean:** City water rinse
Cleaner: Recycling reverse osmosis water rinse
Cleanest: Pure reverse osmosis water rinse
Sealer: Dried-in-place aluminum sealer



7-8 A 200 MPH air blast **removes water drops** from the pre-treated aluminum. A **convection oven** completes the dry-off process.



9 Powder is **applied** with 18 automated and 2 manual spray guns. Compressed process air is dried to -35°F Dew Point for superior adhesion.



10 The powder coating is **then bonded** and adhered to the aluminum substrate in a 400 degree cure stage.



CARDINAL VINYL RAILING



Cardinal Vinyl Railing



Standard Baluster
7/8" x 1-1/2" Rectangular Vinyl
2-7/8" Baluster Spacing



"A" Series Baluster
7/8" x 1-1/2" Decorative Vinyl
2-7/8" Baluster Spacing
42" Balusters are Aluminum Reinforced



"B" Series Baluster
3/4" Round Aluminum
3-7/8" Baluster Spacing
See Page 1 for Baluster Colors



Section Type	Length											Height		Baluster Style		
	4'	5'	6'	7'	8'	9'	10'	12'	14'	16'		36"	42"	Std	A	B
Straight	•	•	•	•	•	•	•					•	•	•	•	•
Stair	•	•	•	•	•	•	•					•	•	•	•	•
Crossover - Straight								•	•	•		•	•	•	•	•
Crossover - Stair					Not Available							Not Available		Not Available		
Single Chippendale - Straight	•	•	•	•	•	•	•					•	•	•		
Double Chippendale - Straight				•	•	•	•					•	•	•		
Chippendale - Stair					Not Available							Not Available		Not Available		



Crossover



Double Chippendale

Note: Railing Support included with all 8' - 10' sections. 16' Crossover Sections include two Railing Supports.



FALCON

VINYL RAILING



Falcon Vinyl Railing



Standard Baluster

1-3/8" x 1-3/8" Square Vinyl
3-1/2" Baluster Spacing

White

Tan

Mocha



"A" Series Baluster

1-3/8" x 1-3/8" Decorative Vinyl
3-1/2" Baluster Spacing
42" Balusters are Aluminum Reinforced

White

Tan



"B" Series Baluster

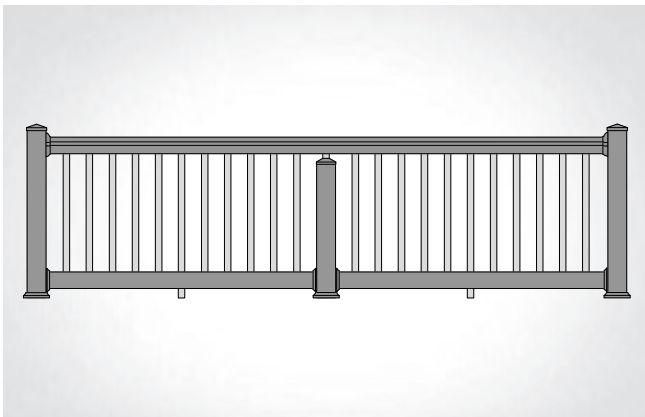
3/4" Round Aluminum
3-7/8" Baluster Spacing
See Page 1 for Baluster Colors

White

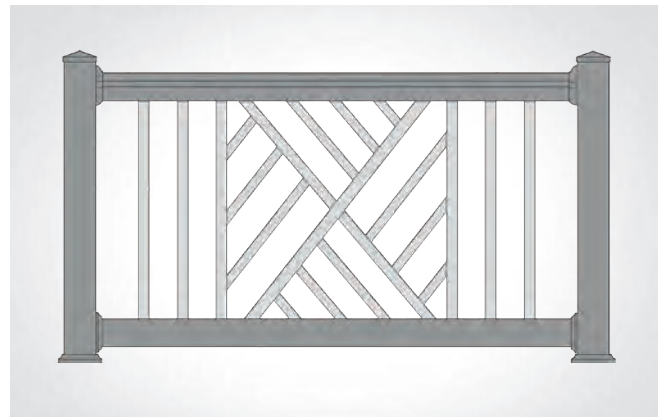
Tan

Mocha

Section Type	Length										Height		Baluster Style		
	4'	5'	6'	7'	8'	9'	10'	12'	14'	16'	36"	42"	Std	A	B
Straight	•	•	•	•	•	•	•				•	•	•	•	•
Stair	•	•	•	•	•	•	•				•	•	•	•	•
Crossover - Straight								•	•	•	•	•	•	•	•
Crossover - Stair					Not Available						Not Available		Not Available		
Single Chippendale - Straight	•	•	•	•	•	•	•				•	•	•		
Double Chippendale - Straight				•	•	•	•				•	•	•		
Chippendale - Stair					Not Available						Not Available		Not Available		



Crossover



Single Chippendale

Note: Railing Support included with all 8' - 10' sections. 16' Crossover Sections include two Railing Supports.

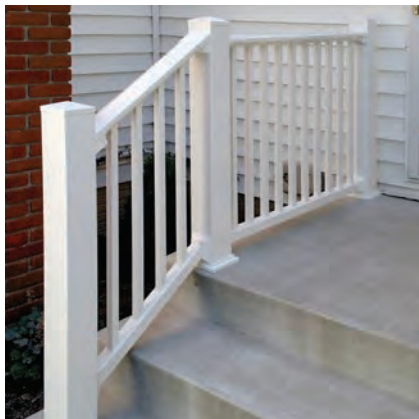


RAVEN

VINYL RAILING



Raven Vinyl Railing



Standard Baluster
7/8" x 1-1/2" Rectangular Vinyl
2-7/8" Baluster Spacing

White Tan



"A" Series Baluster
7/8" x 1-1/2" Decorative Vinyl
2-7/8" Baluster Spacing
42" Balusters are Aluminum Reinforced

White Tan



"B" Series Baluster
3/4" Round Aluminum
3-7/8" Baluster Spacing
See Page 1 for Baluster Colors

White Tan

Section Type	Length										Height		Baluster Style		
	4'	5'	6'	7'	8'	9'	10'	12'	14'	16'	36"	42"	Std	A	B
Straight	•	•	•	•	•	•	•				•	•	•	•	•
Stair	•	•	•	•	•	•	•				•	•	•	•	•
Crossover - Straight							•	•	•	•	•	•	•	•	•
Crossover - Stair	Not Available										Not Available		Not Available		



Crossover

Note: Railing Support included with all 7' - 10' sections. 14' and 16' Crossover Sections include two Railing Supports.



T-BIRD VINYL RAILING



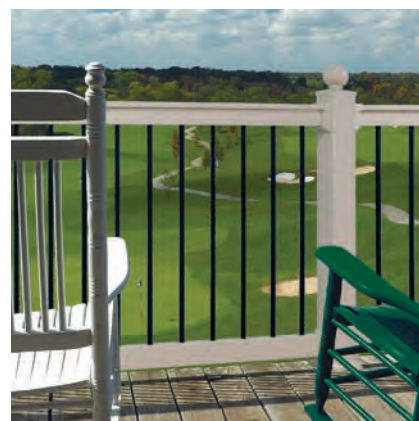
T-Bird Vinyl Railing



Standard Baluster
1-3/8" x 1-3/8" Square Vinyl
3-1/2" Baluster Spacing



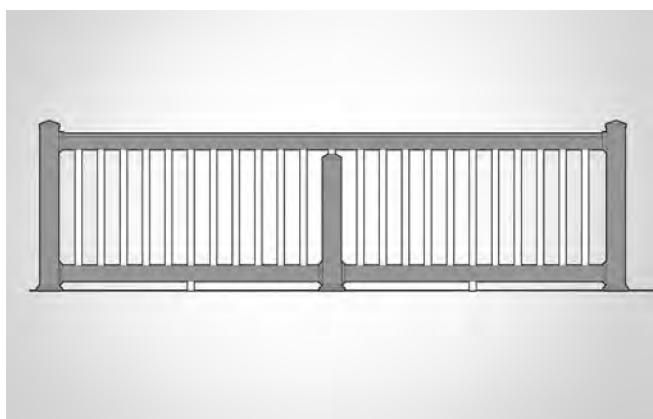
"A" Series Baluster
1-3/8" x 1-3/8" Decorative Vinyl
3-1/2" Baluster Spacing
42" Balusters are Aluminum Reinforced



"B" Series Baluster
3/4" Round Aluminum
3-7/8" Baluster Spacing
See Page 1 for Baluster Colors



Section Type	Length											Height		Baluster Style		
	4'	5'	6'	7'	8'	9'	10'	12'	14'	16'		36"	42"	Std	A	B
Straight	•	•	•	•	•	•	•					•	•	•	•	•
Stair	•	•	•	•	•	•	•					•	•	•	•	•
Crossover - Straight								•	•	•	•	•	•	•	•	•
Crossover - Stair					Not Available							Not Available		Not Available		
Single Chippendale - Straight	•	•	•	•	•	•	•					•	•	•		
Double Chippendale - Straight				•	•	•	•					•	•	•		
Chippendale - Stair					Not Available							Not Available		Not Available		



Crossover



Double Chippendale

Note: Railing Support included with all 8' - 10' sections. 16' Crossover Sections include two Railing Supports.

HIDDEN SCREW RAIL MOUNTS

Standard Wall Mounts:

1-4 pack is included inside each boxed railing section.

A 4 pack contains (2) top mounts, (2) bottom mounts, and screws.



Standard Stair Mounts:

1-4 pack is included inside each boxed stair railing section.

A 4 pack contains (2) top mounts, (2) bottom mounts, and screws.

For Stair Racking information visit polyrail.com



Optional Specialty Mounts:

These mounts are not included with boxed sections.

A 4 pack contains (2) top mounts, (2) bottom mounts, and screws.



8" and 10" Round Smooth Column Adapters



Not Available in 6"

6" and 8" Round Fluted Column Adapters



Not Available in 10"

Rail Supports



GATES & HARDWARE

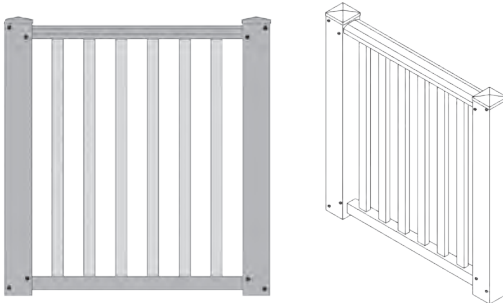
Cardinal Gate



Falcon Gate



Raven Gate



T-Bird Gate



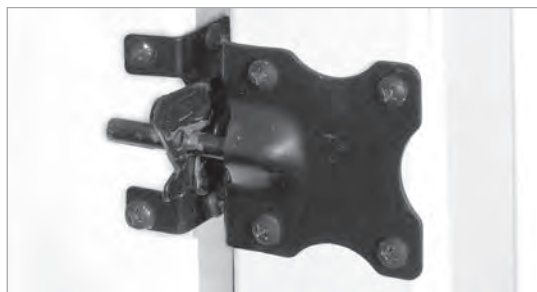
Matching gates available for each style of railing • Aluminum Reinforced Frame
Available in 36"W and 48"W openings • Special Width Gates Available Upon Request

Baluster Style	Gate Size (width x height)			
	36" x 36"	48" x 36"	36" x 42"	48" x 42"
Standard Baluster	•	•	•	•
"A" Series Baluster	•	•	•	•
"B" Series Baluster	•	•	•	•

Residential Hinge



Residential Latch



White

Tan

Mocha

Black

Our Mocha color is unique to **select** models.
Please see individual model pages for color availability.

POST MOUNTS

4" Residential Adjustable Aluminum Post Mounts

Requires 4" (.160" Wall)
Post Sleeve.



Top View

Powder coated base
plates resist corrosion and
ACQ wood treatment.



Angle Adjustment
Leveling Bolts



Heavy Duty

Standard

Top and Bottom Post Mounts



5" Top & Bottom Hurricane
Mount Set (Included with all
5" Square Support Posts)



Optional 4" Top
and Bottom Post
Mount Plates



4" IBC and IRC Post Mounts

IBC (Heavy Duty) Post Mounts:

- IBC Approved
- 3.62" Tube
- .060" Wall
- 1/2" x 5 1/2" square plate with 8 fasteners
- Shims and leveling bolts included



Top View



43" IBC
Post Mount

Available in
37", 43", 47"
& 53" lengths



37" IRC
Post Mount

Available in
37", 43", 47"
& 53" lengths

IRC (Standard) Post Mounts:

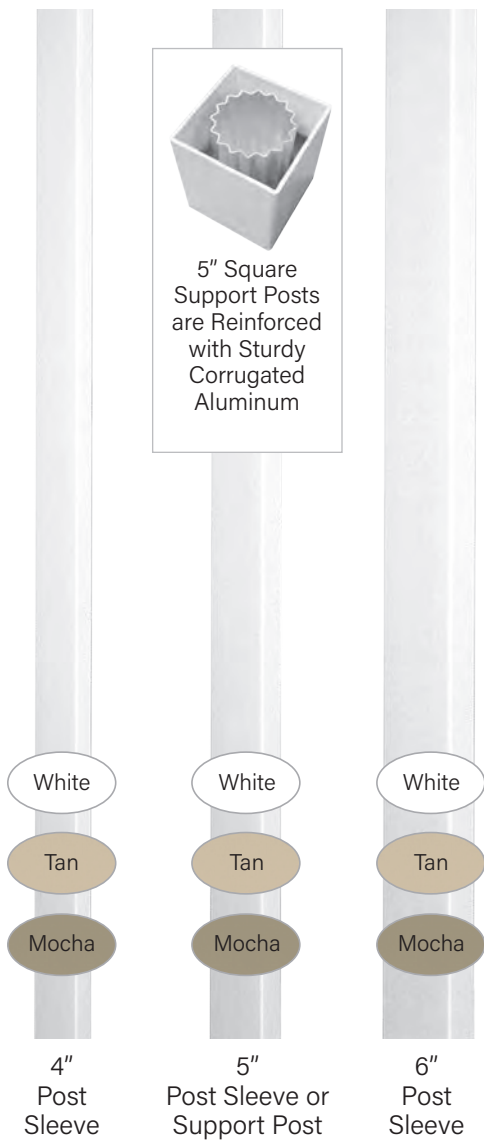
- IRC Approved
- 3.62" Tube
- .060" Wall
- 1/4" x 5 1/2" square plate with 4 fasteners
- Shims and leveling bolts included



Requires 4" (.135" Wall) Post Sleeve
Note: 5" and 6" Post Mounts available.
Contact Customer Service for information.

STANDARD VINYL POSTS

Posts

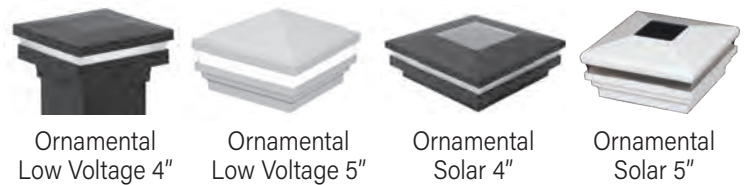


Caps



Magenta Star®

Magenta Star® Ornamental Low Voltage and Solar Lights. Visit magenastar.com for more information and to see additional styles and options.



Flairs

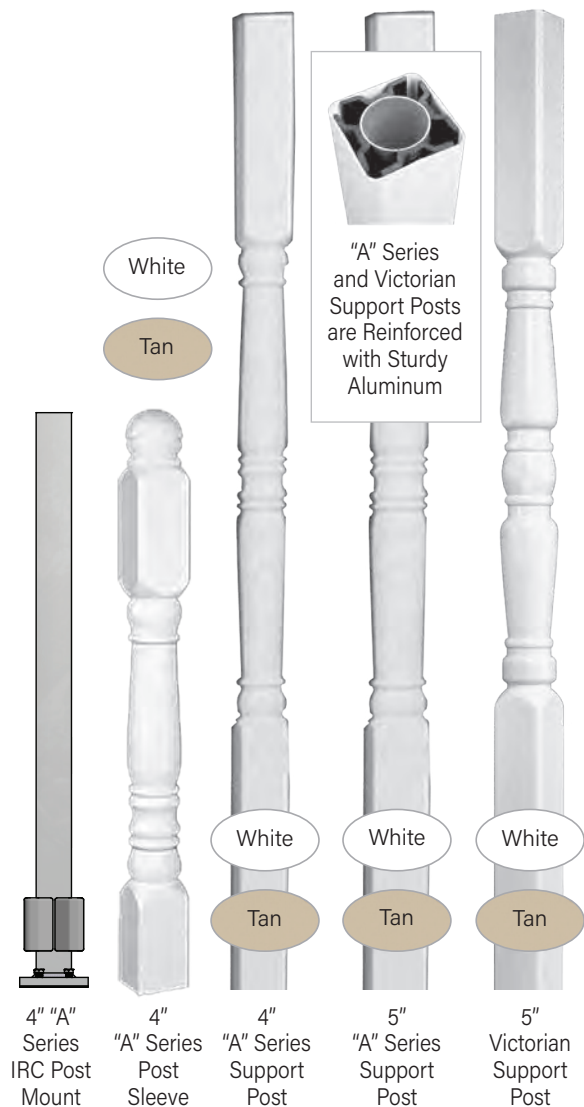


Specifications

	4" Post Sleeve	5" Post Sleeve	5" Support Post	6" Post Sleeve
Heights	38", 44", 48", 54" 8', 9', 10'	38", 44", 48", 54" 8', 9', 10'	8', 9', 10'	38", 44", 48", 54" 10'
Load Capacity	Non-Load Bearing w/o Wood Post	Non-Load Bearing w/o Wood Post	8' = 12,000 lb.	Non-Load Bearing w/o Wood Post

"A" SERIES DECORATIVE VINYL POSTS

Posts



Cap



"A" Series Decorative Post Caps are Easily Attached with Vinyl Adhesive
Cap is Included with Post

Flairs



Support Post Mounts



Specifications

	4" "A" Series Post Sleeve	4" "A" Series Support Post	5" "A" Series Support Post	5" Victorian Support Post
Heights	38", 44", 48", 52"	9'	9', 10'	9'
Load Capacity	Non-Load Bearing w/o Aluminum Post Mount	3,900 lb.	9' = 7,520 lb.	9' = 7,520 lb.

COLUMN CLAD VINYL POST WRAPS

Style

The Wood Post Supplies Load Capacity



White
Tan

Smooth



Ratchets to
Lock Together



Wraps Around
the Wood Post –
No Screws Needed

Cap



Column Clad Cap
4", 6"

Flair



Column Clad Flair (4-piece)
4", 6"

Specifications

	4" Smooth Column Clad	6" Smooth Column Clad
Heights	8', 10'	8', 10'
Load Capacity	Non-Load Bearing w/o Wood Post	Non-Load Bearing w/o Wood Post

"B" SERIES ALUMINUM POSTS

Available in 12 DSI Colors (shown on page 1)

Posts



4" Post Sleeve
(.065" wall)

4" Post w/Plate
(.090" wall)

6" Post w/Plate
(.090" wall)

4" Support Post
(.090" wall)

6" Support Post
(.090" wall)

Caps



Flat Cap
4", 6"



Ball Cap
4"

Flair



Post Flair (2-piece)
4", 6"

Tie Down Bracket



Tie Down Bracket
with Cover
(Set of 2)

Installation Instructions
Require 2 Sets
per Support Post

Specifications

	4" "B" Series Post Sleeve	4" "B" Series Post w/Plate	6" "B" Series Post w/Plate	4" "B" Series Support Post	6" "B" Series Support Post
Heights	38", 44", 48", 54"	38", 44", 48", 54"	38", 44", 48", 54"	8', 9', 10'	8', 9', 10'
ASD Capacity* (Allowable Axial Loads)	Non-Load Bearing w/o Wood Post	Non-Load Bearing	Non-Load Bearing	8' = 13,531 lb. 9' = 12,751 lb. 10' = 11,970 lb.	8' = 16,543 lb. 9' = 16,543 lb. 10' = 16,543 lb.

*Weight values are Actual Calculated Allowable Loads

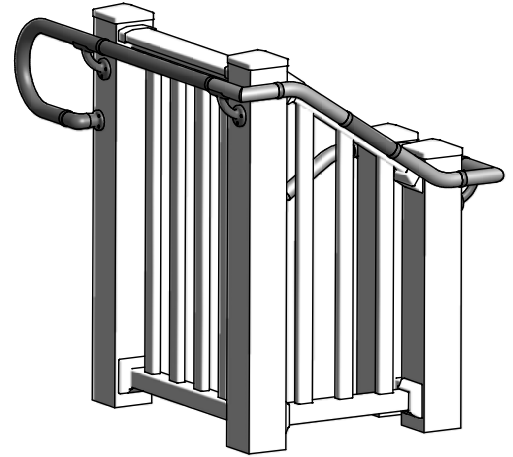
ADA CONTINUOUS HANDRAIL

ADA Continuous Handrail is designed to assist individuals with accessibility and mobility concerns.

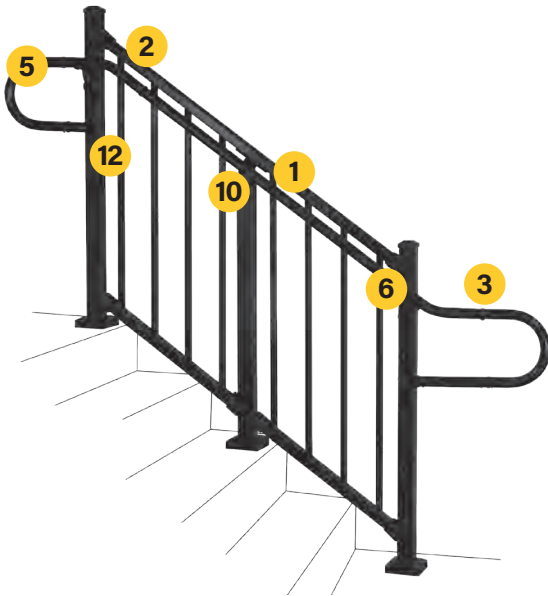
This system offers versatile components and accessories, providing the perfect safety solution for stairways, ramps, and decks.

ADA Continuous Handrail is easy to install on any surface and is compatible with new or existing railing systems.

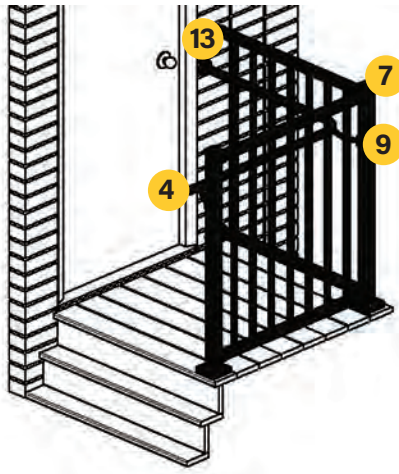
Available in 12 DSI colors (shown on page 1).



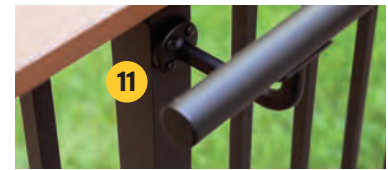
Stair Application



Deck Application



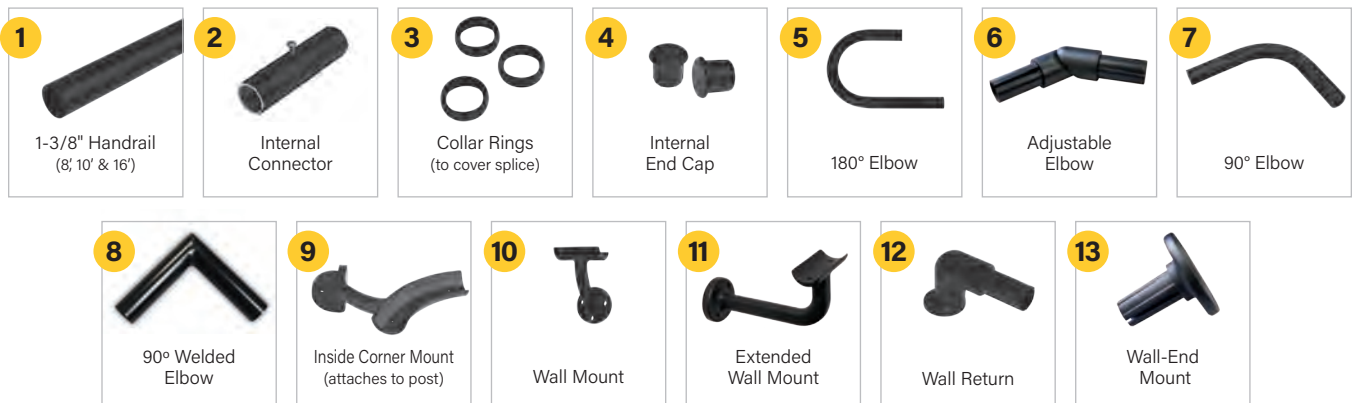
Inside Corner Mount
& 90° Elbow Detail



Extended Wall Mount Detail



90° Welded Elbow Detail





Transforming the Outdoor Living Experience™

diggerspecialties.com

Stay Connected



We have tried to make this brochure comprehensive and factual. We reserve the right to discontinue at any time, without notice, colors, materials, equipment and availability. Since some information may have been updated since the time of printing, we are not responsible for typographical or pictorial errors. Materials shown may vary slightly from actual colors. ©Digger Specialties 2021/03 99694