ADA HANDRAILS OVERVIEW

1. ADA Handrails can be installed using various design applications such as those for stairs, ramps, and horizontal applications. Designs include options for straight and 90° wall returns, 90° corners, and adjustable angles. Choose which is best for your needs before installing.

2. The Handrail system top rail should be 34in (86.4 cm) to 38in (96.5 cm) above the surface. However, verifying height requirements with local building code officials before installing is important as codes vary in different areas.

3. Maintain a minimum clearance of 1-1/2in (3.8 cm) between the Handrail and any obstructions above or behind the Handrail.

4. The end loop return at all landings must extend 12in (30.5 cm) past the end of the ramp or stair nose.

5. The slope of the Handrail for the ramp should not exceed 1in (2.5 cm) rise over a 12in (30.5 cm) run.

6. The maximum recommended span between supports is 6ft (1.83 m) on center. Thus, placement of posts is critical when installation of railing is being considered.

7. At any straight location where internal connector is used, it is CRITICAL to locate these as close to a wall mount as possible.

8. If using metal posts, pre-drill all locations for bracket attachment. (Always use a drill bit slightly SMALLER in diameter than the screw being used for attachment.)

9. All elbow components can be cut down to allow for tighter angles. Cut a maximum of 2in on each side if this is required.

10. Handrail pipes can be cut to proper length based on location of wall return(s) or attachment to other components.

11. Cut ADA Loop ends as necessary to ensure that Support Bracket will align properly with 3in post after installation.

12. Corner Mount can ONLY BE USED ON METAL POSTS and only for horizontal applications, such as stair landings.

13. Prior to construction, check with your local regulatory agency for special code requirements in your area.

*Refer to the American Disabilities Act for detailed information in regards to ADA Handrail requirements.
WILLIAMS ADA HANDRAILS KITS AND PARTS

ADA PIPE RAIL AND
90° RETURN KIT
Kit includes:
1 – 94in Pipe
2 - 90° Wall Returns and Covers
2 – 3in Post Backer Plates
2 – Joiner Rings
6 – #10 x 1.5in Self-tapping Screws
4 – #8 x 3/4in Color Matched Self-tapping Screws
Installation Instructions
Black  1717885 D
White  1717888 M
Bronze 1717882 D

ADA 90° RETURN KIT
Required when Pipe Rail is cut into two pieces. Does not include 94in pipe rail.
Kit includes:
2 - 90° Wall Returns and Covers
2 - 3in Post Backer Plates
2 – Joiner Rings
6 - #10 x 1-1/2in Self-tapping Screws
4 - #8 x 3/4in Color Matched Self-tapping Screws
Installation Instructions
P/N: AD90101 M
B=Black, W=White, Z=Bronze

ADA PIPE RAIL
EXTENSION KIT
Kit includes:
1 – 94in Pipe
2 – 6in Joiners
2 – Joiner Rings
2 – Rail Support Brackets with adapters and caps
1 – Mid Span Spacer
2 – 3in Post Backer Plates
6 – #10 x 1-1/2in Self-tapping Screws
8 – #8 x 3/4in Color Matched Self-tapping Screws
Installation Instructions
Black  1717884 D
White  1717887 M
Bronze 1717881 D

ADA HANDICAP LOOP KIT
Kit includes:
2 – Handicap Loops
2 – Rail Support Brackets with adapters and caps
2 – Adjustable Elbows
2 – 3in Post Backer Plates
12 – #8 x 3/4in Self-tapping Screws
6 – #10 x 1-1/2in Self-tapping Screws
Installation Instructions
Black  1717886 D
White  1717889 M
Bronze 1717883 D

ADA HANDICAP LOOP KIT
Can be used for stairs, ramps and horizontal applications.

ADA SUPPORT BRACKET
Use on 2in and 3in Posts.
P/N AD908102

ADA 6in Pipe Joiner
P/N AD905178

ADA Handicap Loop
P/N AD905168

ADA 1.5in x 94in Pipe Rail
P/N AD903194

90° Wall Return
P/N AD905118

ADA Support Bracket
P/N AD908599

ADA Adjustable Elbow
P/N AD958204
Order 4X #8x3/4in screws for each elbow (sold separately).

ADA 90° Elbow
P/N AD905158

ADA 1.5in Joiner Ring
P/N AD905188

ADA Adjustable Elbow
P/N AD905158

ADA End Cap
Available in black only. P/N 905198

3in Post Backer Plate
P/N AD905248

Rail to Bracket Attach Screws
#8 x 3/4in Self-tapping Screw. 20-pack. P/N ST091820
B=Black, W=White, Z=Bronze

Bracket to Metal Post Attach Screws
#10 x 1-1/2in Self-tapping Screw. 20-pack. P/N ST091020

Support Bracket Attach Screws
#14 x 1-1/2in Self-tapping Screw. 20-pack. P/N ST099520

ADA Handrail Parts are Special Order

FIND INSTRUCTIONS AND INSTALL VIDEOS AT WILLIAMSRAILING.COM.
## ADA HANDRAILS PLANNER

### WHAT YOU WILL NEED

<table>
<thead>
<tr>
<th>ADA HANDRAIL KITS</th>
<th>QTY</th>
<th>BLACK</th>
<th>WHITE</th>
<th>BRONZE</th>
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<tbody>
<tr>
<td>ADA Pipe Rail and 90° Return Kit</td>
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<td>1717885 D</td>
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<td>ADA 90° Return Kit</td>
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<td>AD901101B M</td>
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<td>ADA 1.5in x 94in Pipe Rail</td>
<td>AD903194B</td>
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<td>90° Wall Return</td>
<td>AD905118B</td>
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<tr>
<td>ADA Support Bracket</td>
<td>AD908102B</td>
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<tr>
<td>Inside Corner Mount</td>
<td>AD908599B</td>
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<td>ADA 6in Pipe Joiner</td>
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<td>ADA Handicap Loop</td>
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<tr>
<td>Straight End Wall Mount</td>
<td>AD905128B</td>
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<td>ADA 90° Elbow</td>
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<td>ADA Adjustable Elbow Order 4X #8x3/4in screws for each elbow (sold separately).</td>
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S=Stocked in Stores   D=Menards Distribution Center   M=Special Order

Select ADA Handrail Kits are stocked at Menards Distribution Centers. All Parts are Special Order.
TOOLS RECOMMENDED FOR INSTALLATION

Cordless Drill  
(hammer drill for concrete)

Bar Clamps

Miter Saw  
(with nonferrous blade)

6in #2 Square Drive Bit

Masking Tape

Level

Tape Measure and Pencil

Safety Glasses

84-Tooth Nonferrous Blade

3/16in Masonry Drill Bit  
(concrete applications)

5/16in and 5/8in Drill Bits  
(for LED Lighting application)