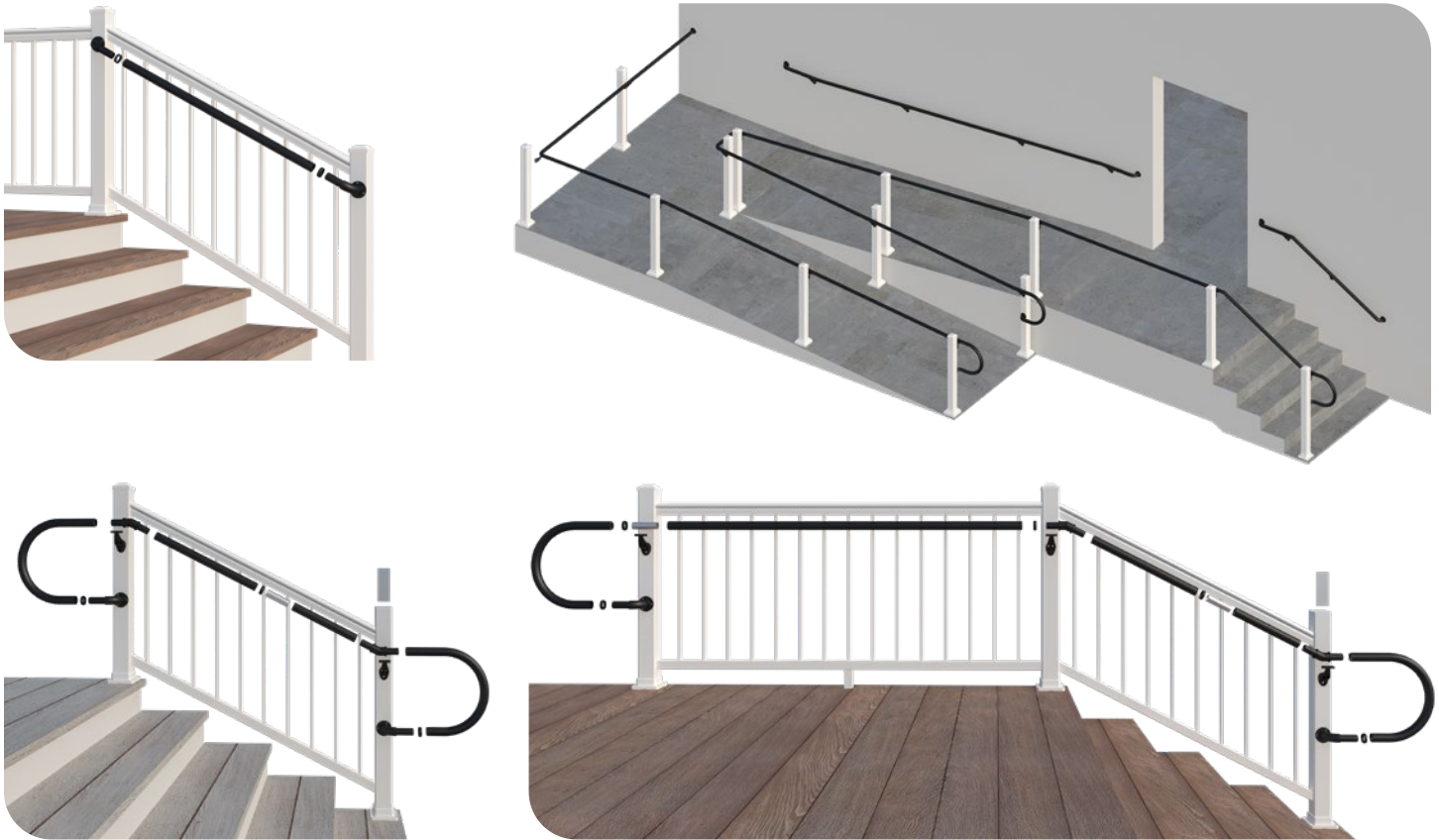
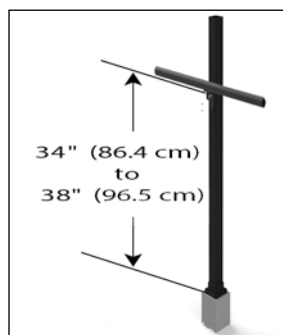


# ADA HANDRAILS OVERVIEW



## ADA HANDRAIL PLANNING GUIDELINES

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 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 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: AD901101 M  
 B=Black, W=White, Z=Bronze



## 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 HANDRAILS CAN BE USED FOR STAIRS, RAMPS AND HORIZONTAL APPLICATIONS.

FIND INSTRUCTIONS AND INSTALL VIDEOS AT WILLIAMSRAILING.COM.



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



**90° Wall Return**  
 P/N AD905118



**ADA Support Bracket**  
 Use on 2in and 3in Posts.  
 P/N AD908102



**Inside Corner Mount**  
 P/N AD908599



**ADA 6in Pipe Joiner**  
 P/N AD905178



**ADA Handicap Loop**  
 P/N AD905168



**Straight End Wall Mount**  
 P/N AD905128



**ADA 90° Elbow**  
 P/N AD905158



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



**ADA 1.5in Joiner Ring**  
 P/N AD905188



**ADA End Cap**  
 Available in black only.  
 P/N AD905198



**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

# ADA HANDRAILS PLANNER

WHAT YOU WILL NEED	QTY	BLACK	WHITE	BRONZE
<b>ADA HANDRAIL KITS</b>		MENARDS SKUS / PART NUMBERS		
ADA Pipe Rail and 90° Return Kit		1717885 D	1717888 D	1717882 D
ADA 90° Return Kit		AD901101B M	AD901101W M	AD901101Z M
ADA Pipe Rail Extension Kit		1717884 D	1717887 D	1717881 D
ADA Handicap Loop Kit		1717886 D	1717889 D	1717883 D
<b>ADA HANDRAIL PARTS</b>		PART NUMBERS		
ADA 1.5in x 94in Pipe Rail		AD903194B	AD903194W	AD903194Z
90° Wall Return		AD905118B	AD905118W	AD905118Z
ADA Support Bracket		AD908102B	AD908102W	AD908102Z
Inside Corner Mount		AD908599B	AD908599W	AD908599Z
ADA 6in Pipe Joiner		AD905178		
ADA Handicap Loop		AD905168B	AD905168W	AD905168Z
Straight End Wall Mount		AD905128B	AD905128W	AD905128Z
ADA 90° Elbow		AD905158B	AD905158W	AD905158Z
ADA Adjustable Elbow Order 4X #8x3/4in screws for each elbow (sold separately).		AD958204B	AD958204W	AD958204Z
ADA 1.5in Joiner Ring		AD905188B	AD905188W	AD905188Z
ADA End Cap (available in black only)		AD905198	-	-
3in Post Backer Plate		AD905248		
Rail to Bracket Attach Screws #8 x 3/4in Self-tapping Screws. 20-pack.		ST091820		
Bracket to Metal Post Attachment #10 x 1-1/2in Self-tapping Screws. 20-pack		ST091020		
Support Bracket Attach Screws #14 x 1-1/2in Self-tapping Screws. 20-pack		ST099520		

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)



Level



Tape Measure and  
Pencil



Safety Glasses



Bar Clamps



Miter Saw  
(with nonferrous blade)



84-Tooth Nonferrous  
Blade



3/16in Drill Bit



3/16in Masonry Drill Bit  
(concrete applications)



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



6in #2 Square Drive Bit



Masking Tape