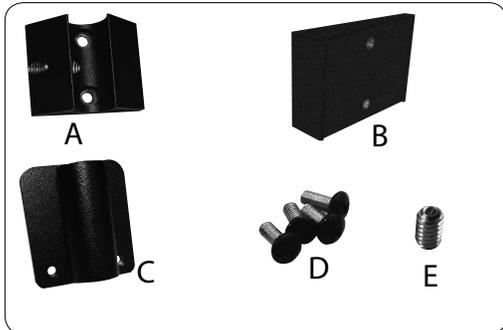


Instructions for Aspen Variable Angle Bracket



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Component List:

- A) Bracket Base - 2
- B) Wedge - 2
- C) Top and Bottom Bracket - 2
- D) #10-32 x 7/16" Srews - 4
- E) 1/4" x 1/2" Set Screws - 2

Tools Required:

- Drill Bits: 5/32"
- #2 square drive hex bit 4" long
- Drill with Adjustable Clutch
- Miter Saw with Metal Cutting Blade
- Level
- Rubber Mallet or Wood Block
- Tape Measure
- Masking or Duct Tape
- 12" Combination Square
- 8" File
- Straight Edge
- Center Punch - optional
- Touch-up Paint - optional
- Silicone Adhesive - optional
- Shop Vac or Blower - optional
- 1/8" Hex Wrench

Installer is responsible for quality workmanship and meeting all building codes.

MADE IN THE USA

NOTE: Aspen Variable Angle Wedge is not compatible with 2" x 2" Aspen Posts. Please use 3" x 3" posts or larger when using Aspen Variable Angle Wedges.

1

Install collar onto post. Measure up from top of collar 3 $\frac{3}{4}$ " and make a mark on center of post. Measure up from top of collar 34 $\frac{3}{4}$ " and make another mark on center of post. Pre-drill 5/32" diameter hole on each mark, center of post.

2

Install bracket base (A) and wedge (B) on to post. NOTE: Wedge is only required for angles over 36°. Install (1) #10x1" screw through base and wedge (if required) through upper hole. NOTE: Base is attached with mounting holes in a vertical orientation. Using a square, pre-drill second hole through base and wedge and install (1) #10x1" screw. NOTE: #10x1" screws are in rail section carton. Repeat for both top and bottom brackets.

NOTE: Install all bases with set screws facing the same direction.

3

Install bracket (C) into top base with screw holes facing down. Install and tighten 1/4"x1/2" set screw (E) with bracket facing direction of rail. Install bracket (C) into bottom base with screw holes facing down. Install and tighten 1/4"x1/2" (E) with bracket facing direction of rail.

4

Repeat steps 1-3 for all posts requiring variable angle brackets.



Apply tape on bottom and top rail inserts to prevent them from moving while cutting. Place bottom rail against posts and center baluster openings. Check that variable angle brackets are square with rails, measure from bracket face to first baluster opening. A minimum of 1-1/4" is required for rail brackets. Re-position rail as needed. Make a mark on rail square to bottom brackets. Cut bottom rail. Check that bottom rail fits between brackets.



Align top and bottom rail. Mark top rail where bottom rails was cut. Cut top rail on marks.



Turn bottom rail over and install brace plugs. Rails under 72" require 1 plug, centered. Rails over 72" require 2 plugs, install approximately one-fourth of total rail length from each end.



Slide bottom rail bracket on to bottom rail, screw holes down and out. Install bottom brace. Install bottom rail, use (2) #10-32x7/16" (D) screws. Set screws in bases may be loosened for final bracket alignment, one set screw at a time. Install balusters. Attach top rail. Slide top rail brackets onto top rail. Position top rail between brackets and attach with (2) #10-32x7/16" (D) screws. Tighten set screws.