

Adjustable Anchors

The fully adjustable post base with stand-off plate secures wood posts to concrete surfaces in new or remodeling applications where damp rot is a problem. The 1" stand-off plate provides flat end bearing area for posts and keeps the post end 1-3/16" above the surface moisture. Bending slot on post base provides greater ease of installation.

MATERIAL SPECIFICATIONS

CDAA44

Gauge: 18ga (43mil)

Design Thickness: 0.0451 inches

CDAA46, CDAA66

Gauge: 16ga (54mil)

Design Thickness: 0.0566 inches

Standoff Plate

Gauge: 14ga (68mil)

Design Thickness: 0.0713 inches

Coating: G90 (Z275) hot-dipped galvanized coating (G185 available)

Yield Strength: Structural Grade 50 Type H (ST50H), 50ksi (340 MPa)

PRODUCT DIMENSIONS

CDAA44

Post Size: 4 x 4

Length (L): 3-9/16"

Width (W): 3-9/16"

Height (H): 2-9/32"

CDAA46

Post Size: 4 x 6

Length (L): 3-9/16"

Width (W): 5-1/2"

Height (H): 2-7/8"

CDAA66

Post Size: 6 x 6

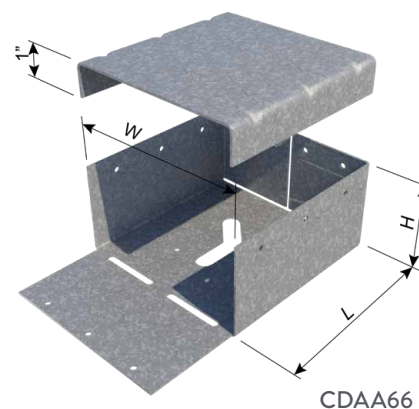
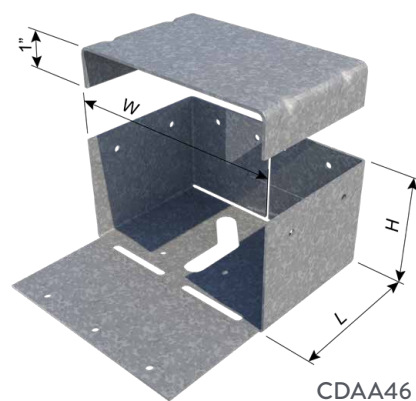
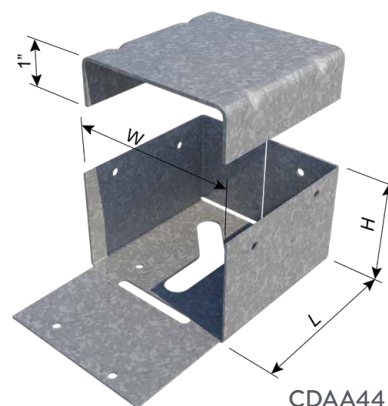
Length (L): 5-1/2"

Width (W): 5-1/2"

Height (H): 2-13/16"

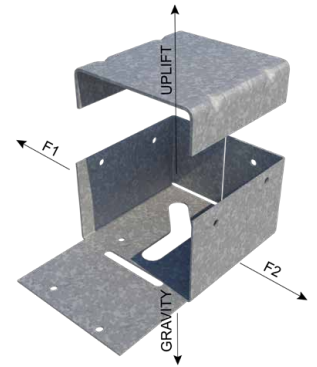
CODE REPORT

- DrJ Engineering LLC TER-2211-03



Adjustable Anchors (CDAA44)

Load Orientation	Fasteners				Allowable Loads (lbs)					
	Post		Concrete		Spruce Pine-Fir (0.42 Specific Gravity)		Douglas Fir-Larch (0.50 Specific Gravity)		Southern Pine (0.55 Specific Gravity)	
	Fastener	Qty	Fastener	Qty	C _D = 1.00	C _D = 1.60	C _D = 1.00	C _D = 1.60	C _D = 1.00	C _D = 1.60
Uplift	0.148" x 3" Nail	8	1/2" Bolt with 3" x 3" x 3/16" Commodity Washer	1	510	510	575	575	590	590
Gravity					2170	2170	2950	2950	2970	2970
Lateral (F1)					285	285	330	330	355	355
Lateral (F2)					430	430	500	500	540	540
Uplift	#9 x 3" Screw	8	1/2" Bolt with 3" x 3" x 3/16" Commodity Washer	1	375	375	435	435	470	470
Gravity					2150	2150	2940	2940	3105	3105
Lateral (F1)					365	365	425	425	555	555
Lateral (F2)					370	370	430	430	465	465



Adjustable Anchors (CDAA46)

Load Orientation	Fasteners				Allowable Loads (lbs)					
	Post		Concrete		Spruce Pine-Fir (0.42 Specific Gravity)		Douglas Fir-Larch (0.50 Specific Gravity)		Southern Pine (0.55 Specific Gravity)	
	Fastener	Qty	Fastener	Qty	C _D = 1.00	C _D = 1.60	C _D = 1.00	C _D = 1.60	C _D = 1.00	C _D = 1.60
Uplift	0.148" x 3" Nail	11	1/2" Bolt with 3" x 3" x 3/16" Commodity Washer	1	790	790	915	915	990	990
Gravity					3035	3035	4130	4130	4200	4200
Lateral (F1)					315	315	365	365	390	390
Lateral (F2)					555	555	640	640	695	695
Uplift	#9 x 3" Screw	11	1/2" Bolt with 3" x 3" x 3/16" Commodity Washer	1	595	595	685	685	745	745
Gravity					3225	3225	4415	4415	4545	4545
Lateral (F1)					335	335	390	390	535	535
Lateral (F2)					370	370	425	425	460	460

Adjustable Anchors (CDAA66)

Load Orientation	Fasteners				Allowable Loads (lbs)					
	Post		Concrete		Spruce Pine-Fir (0.42 Specific Gravity)		Douglas Fir-Larch (0.50 Specific Gravity)		Southern Pine (0.55 Specific Gravity)	
	Fastener	Qty	Fastener	Qty	C _D = 1.00	C _D = 1.60	C _D = 1.00	C _D = 1.60	C _D = 1.00	C _D = 1.60
Uplift	0.148" x 3" Nail	13	1/2" Bolt with 3" x 3" x 3/16" Commodity Washer	1	725	725	835	835	855	855
Gravity					4415	4415	6035	6035	6035	6035
Lateral (F1)					995	995	1150	1150	1235	1235
Lateral (F2)					875	875	995	995	995	995
Uplift	#9 x 3" Screw	13	1/2" Bolt with 3" x 3" x 3/16" Commodity Washer	1	575	575	665	665	715	715
Gravity					3890	3890	5340	5340	5435	5435
Lateral (F1)					575	575	665	665	840	840
Lateral (F2)					645	645	745	745	805	805

Notes:

For SI: 1 inch = 25.4 mm, 1 pound (lb) = 4.45 N

1 Allowable loads shall be selected based on the load duration as permitted by the applicable building code.

2 F₁ direction is parallel to the substrate member. (see illustration)

3 F₂ direction is parallel to the substrate member. (see illustration)